STIC EIC 2100
Search Request Form

99580
130

Today's Date:

What date would you like to use to limit the search?

Priority Date: 4/10/00   Other:

Name _Tam Nguyen_

AU _2172_   Examiner # _78338_

Room # _4A30_   Phone _305-3735_

Serial # _09/545,752_

Format for Search Results (Circle One):

PAPER   DISK   EMAIL

Where have you searched so far?

USP   DWPI   EPO   JPO   ACM   IBM TDB

IEEE   INSPEC   SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One)   YES   NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

An image copy restore utility configured to apply the detail records to the back-up copy during the read and restore of the back up copy to thereby create a restore database.

* details record + spill record — merged

* Accumulation (CADs)

STIC Searcher _Geoffrey St Leger_   Phone _308-7800_

Date picked up _7/24/3_   Date Completed _7/24/3_

sira
Search and Information
Resources Administration

STIC Search Report
EIC 2100

TO: Tam V Nguyen
Location: 4A30
Art Unit : 2172
Thursday, July 24, 2003

Case Serial Number: 09/545752

From: Geoffrey St. Leger
Location: EIC 2100
PK2-4B30
Phone: 308-7800

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached please find the results of your Fast & Focused search request for application 09/545752. I searched Dialog's foreign patent files, technical databases, product announcement files and general files; along with ACM and IBM's TDBs.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B30/308-7800

STIC Search Results
Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

Anne Hendrickson, EIC 2100 Team Leader
308-7831, CPK2-4B40

Voluntary Results Feedback Form

> *I am an examiner in Workgroup:* ☐   *Example: 3730*

> *Relevant prior art **found**, search results used as follows:*
>> ☐ 102 rejection
>> ☐ 103 rejection
>> ☐ Cited as being of interest.
>> ☐ Helped examiner better understand the invention.
>> ☐ Helped examiner better understand the state of the art in their technology.

> *Types of relevant prior art found:*
>> ☐ Foreign Patent(s)
>> ☐ Non-Patent Literature
>>> (journal articles, conference proceedings, new product announcements etc.)

> *Relevant prior art **not found:***
>> ☐ Results verified the lack of relevant prior art (helped determine patentability).
>> ☐ Results were not useful in determining patentability or understanding the invention.

Comments:
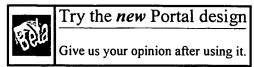
Drop off or send completed forms to STIC/EIC2100 CPK2-4B40

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Search Results

Nothing Found

Your search for **[(detail record* or spill record* or cads or change accumulat*) and image cop*]** did not return any results.

You may revise it and try your search again below or click advanced search for more options.

```
(detail record* or spill record*
or cads or change accumulat*)
and image cop*
```

SEARCH **[Advanced Search] [Search Help/Tips]**

Complete Search Help and Tips

The following characters have specialized meaning:

Special Characters	Description
, ( ) [	These characters end a text token.
= > < !	These characters end a text token because they signify the start of a field operator. (! is special: != ends a token.)
` @ \Q < { [!	These characters signify the start of a delimited token. These are terminated by the end character associated with the start character.

WEST

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| Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences | Cases |

Search Results -

Terms	Documents
l1 and L2	0

Database:

```
US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search:

```
L3
```

| Refine Search |

| Recall Text | Clear |

Search History

DATE: **Thursday, July 24, 2003**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=TDBD; PLUR=YES; OP=OR		
L3	l1 and L2	0	L3
L2	image adj cop$	42	L2
L1	((detail adj record* or spill adj record* or cads or change adj accumulat$))	114	L1

END OF SEARCH HISTORY

Set	Items	Description
S1	169	DETAIL?(1W)RECORD? ?
S2	0	SPILL????(1W)RECORD? ?
S3	10433	CAD OR CADS OR CHANGE()ACCUMULAT?
S4	2499	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE-()INSTAT???)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	8782	(BACKUP OR BACK??()UP OR ORIGINAL OR SAVED)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR COPY OR F-ILE? ? OR RECORD? ?)
S6	0	S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???-??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD-D??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S7	2	S1(10N)S5
S8	0	S1 AND S3
S9	11	(S1 OR S3) AND S4
S10	47	(S1 OR S3) AND S5
S11	48	S9:S10 AND IC=G06F

```
Set      Items    Description
S1        212     IMAGE()COPY
S2        102     DETAIL(1W)RECORD? ?
S3          0     SPILL(1W)RECORD? ?
S4         91     CADS OR CHANGE()ACCUMULAT?
S5          0     S1 AND S2:S4
```

DIALOG(R)File 347:JAPIO
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07163830   **Image available**
DATA CONVERTER AND DATA CONVERTING METHOD

PUB. NO.:   2002-032214 [JP 2002032214 A]
PUBLISHED: January 31, 2002 (20020131)
INVENTOR(s):   NISHIDA SHINYA
APPLICANT(s): SONY CORP
APPL. NO.:   2000-213157 [JP 2000213157]
FILED: July 13, 2000 (20000713)
INTL CLASS: **G06F-005/00 ; G06F-011/22**

ABSTRACT

PROBLEM TO BE SOLVED: To convert data corresponding to an optional format
of **CAD** data and mounter data.

SOLUTION: A filter to discriminate a block of prescribed information is set
from data generated in the optional format is preset by a filter setting
means 110 and stored in a filter storage means 120. In the case of
generating inspection data, original data being an original of the
inspection data is inputted from an original data input means 130. The
original data is the **CAD** data or the mounter data, etc., described in the
optional format. A fundamental data converting means 140 discriminates the
block of the prescribed information from the **original data based** on
the filter stored in the filter storage means 120 and converts the original
data into fundamental data in the predetermined and prescribed format. An
inspection data generating part 150 generates the prescribed inspection
data from the fundamental data and outputs it to a prescribed output
destination by an inspection data output means 160.

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DIALOG(R)File 347:JAPIO
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05986159   **Image available**
COMPUTER SYSTEM

PUB. NO.:   10-269259 [JP 10269259 A]
PUBLISHED: October 09, 1998 (19981009)
INVENTOR(s):   KUSHIMA YUKI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:   09-070055 [JP 9770055]
FILED: March 24, 1997 (19970324)
INTL CLASS: [6] **G06F-017/50 ;** G06T-007/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.9
               (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)

ABSTRACT

PROBLEM TO BE SOLVED: To make it easy to find alteration in quality and to
reduce the repairing operation on a **CAD** software running computer at a
conversion destination, by visualizing information absence and alteration
in quality which are caused by conversion when drawing data are transferred
between **CAD** software running computers.

SOLUTION: From a **CAD** software CAD1 running computer 1 and a **CAD**
software CAD2 running computer 3, data are converted into basic figure
image data and auxiliary figures in print image form and **saved** in a **file**
device of a data difference display device 4. Consequently, the same
drawing data of both the computers 1 and 3 can be displayed at the same
time and compared. Therefore, even a drawing showing a complicated machine

·shape can be compared efficiently and absence and alteration in quality of
drawing data du to **CAD** data conversion by **CAD** data converting software
are never overlooked.

   11/5/13   (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
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04660247   **Image available**
BLOCK COPY DATA PRODUCING DEVICE

PUB. NO.:   06-332147 [JP 6332147 A]
PUBLISHED: December 02, 1994 (19941202)
INVENTOR(s):   MIKASA YUZO
               SUZUKI SUNAO
               SUZUKI MASAYUKI
APPLICANT(s): TOPPAN PRINTING CO LTD [000319] (A Japanese Company or
               Corporation), JP (Japan)
APPL. NO.:   05-121772 [JP 93121772]
FILED: May 24, 1993 (19930524)
INTL CLASS: [5] G03F-001/00; **G06F-015/60**
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography);
               45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R139 (INFORMATION PROCESSING -- Word Processors)

                           ABSTRACT
PURPOSE: To reduce the burden of a worker by utilizing the data of a
character or a graphic inputted from a **CAD** or the like as an **original**
 for a block **copy** as for a block copy data producing device.

CONSTITUTION: A sorting means 8 sorting the plural graphic data provided
with a graphic attribute to plural groups by the common graphic attribute,
an editing means 12 adding a printing attribute to the sorted graphic data
to every group and a page-up means 19 arranging the edited graphic data at
a position decided by a layout instruction means 18 and producing block
copy data are provided. Then, the block copy data is quickly produced by
adding the printing attribute to the plural graphic data together

   11/5/28   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015393635   **Image available**
WPI Acc No: 2003-455776/200343
XRPX Acc No: N03-362386
   Merge end point establishing system for database **management system, has**
   database recovery **control to derive minimum log end point from most**
   recent log volume end-start point to be merge end point
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: PERRY F S
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6526417   B1   20030225 US 2000491002   A   20000125 200343 B

Priority Applications (No Type Date): US 2000491002 A 20000125
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6526417   B1   12 G06F-017/30

Abstract (Basic): US 6526417 B1
        NOVELTY - A log archive derives a log volume end-start point for
    stored log volumes. A **database recovery** control (DBRC) stores the
    received log volume end-start point and derives minimum log volume
    end-start point from the most recent log volume end-start point for
    database management system (DBMS), to be the merge end point.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (1) merge end point establishing method; and
        (2) recorded medium storing merge end point establishing program.
        USE - For database management system.
        ADVANTAGE - Reduces the number of unmergeable log records by
    selecting the latest merge end point accurately. Also increases the
    number of mergeable updates incorporated into **detail   records** to
    expedite any future accumulation or recovery.
        DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram of
    the merge end point establishing process.
        pp; 12 DwgNo 5/5
Title Terms: MERGE; END; POINT; ESTABLISH; SYSTEM; DATABASE; MANAGEMENT;
    SYSTEM; DATABASE; RECOVER; CONTROL; DERIVATIVE; MINIMUM; LOG; END; POINT;
    RECENT; LOG; VOLUME; END; START; POINT; MERGE; END; POINT
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

    11/5/33   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014595393   **Image available**
WPI Acc No: 2002-416097/200244
XRPX Acc No: N02-327399
    **Original and electronic documents archiving system e.g. for insurance and
    medical diagnostics, groups documents based on date and time identifiers
    of each document**
Patent Assignee: PAPERCOMP INC (PAPE-N)
Inventor: ALTMAN G
Number of Countries: 092 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200223399	A1	20020321	WO 2000US25451	A	20000917	200244	B
AU 200075859	A	20020326	AU 200075859	A	20000917	200251	
			WO 2000US25451	A	20000917		

Priority Applications (No Type Date): WO 2000US25451 A 20000917
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200223399	A1	E	40	G06F-017/30	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
    KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO
    RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200075859 A   G06F-017/30   Based on patent WO 200223399

Abstract (Basic): WO 200223399 A1
        NOVELTY - The paper documents (38) and scanned electronic documents
    are combined into virtual groups based on the date and time
    identifiers, and paper documents are collected in the folders (44).
    Labels indicating the identifiers are affixed to the folders.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Document storage and retrieval system;
        (b) Database system;
        (c) Digital system for electronic document collection;
        (d) Electronic document collection process
        USE - For archiving original documents and electronic documents
    such as scanned documents and graphics **file** produced by **CAD** for
    back - up in commercial, financial and insurance dealings, internet
    transactions, back-up for technical graphics, precision photographs,
    medical diagnostics and in large organizations.
        ADVANTAGE - The archiving and retrieval of the original documents

are made easier by classifying them based on date and time identifiers.

DESCRIPTION OF DRAWING(S) - The figure shows the outline model of
the archiving system.
Paper documents (38)
Folders (44)
pp; 40 DwgNo 1/16
Title Terms: ORIGINAL; ELECTRONIC; DOCUMENT; SYSTEM; INSURANCE; MEDICAL;
   DIAGNOSE; GROUP; DOCUMENT; BASED; DATE; TIME; IDENTIFY; DOCUMENT
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

11/5/37   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014179899   **Image available**
WPI Acc No: 2002-000596/200201
XRPX Acc No: N02-000402
   Corrupt database   file   recovery **apparatus uses** change
   accumulation **manager to read** file **in parallel with reading and**
   recovery **of secure copy**
Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: MOORE D W
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 10112941	A1	20011018	DE 1012941	A	20010317	200201	B
CN 1317742	A	20011017	CN 2001116278	A	20010409	200213	

Priority Applications (No Type Date): US 2000545752 A 20000410
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10112941	A1		16	G06F-017/30	
CN 1317742	A	·		G06F-011/14	

Abstract (Basic): DE 10112941 A1
       NOVELTY - The apparatus includes a memory for storing executable
   modules, the modules comprising a recovering utility program having a
   secure copy recovery utility program for reading and **recovering** a
   secure copy of the **database** file. A **change   accumulation** manager
   reads an accumulation file for changes in parallel with the reading and
   recovery of the secure copy, to derive detailed data sets. An image
   copier-recovery utility program uses the detailed data sets during the
   reading and recovery of the secure copy, to produce a **recovered**
   database   file .
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a method
   of **recovering** a corrupt **database** , and for a computer readable
   medium storing instructions for performing the method.
       USE - Database management.
       ADVANTAGE - Substantially reduces the **recovering** time after
   database failure.
       DESCRIPTION OF DRAWING(S) - The drawing shows a flow diagram
   representing the method.
       pp; 16 DwgNo 5/5
Title Terms: CORRUPT; DATABASE; FILE; RECOVER; APPARATUS; CHANGE;
   ACCUMULATE; MANAGE; READ; FILE; PARALLEL; READ; RECOVER; SECURE; COPY
Derwent Class: T01
International Patent Class (Main): **G06F-011/14 ; G06F-017/30**
International Patent Class (Additional): **G06F-012/16**
File Segment: EPI

11/5/40   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012933351   **Image available**
WPI Acc No: 2000-105198/200009
XRPX Acc No: N00-080825
Multi record information compressing method in relational database
Patent Assignee: AT & T CORP (AMTT)
Inventor: LYONS K B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6006232	A	19991221	US 97954965	A	19971021	200009	B

Priority Applications (No Type Date): US 97954965 A 19971021
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6006232	A		9	G06F-017/30	

Abstract (Basic): US 6006232 A
        NOVELTY - Binary objects including multiple record portions of
    unnormalized database table, are constructed and compressed
    independently to exactly reconstruct **original** data. Another **database**
     table is constructed from binary objects, with shared attribute values
    and corresponding binary object being compressed. The table stores the
    shared attributes and information required to access the compressed
    binary objects.
        DETAILED DESCRIPTION - A subset of the stored attribute values are
    included in each binary object, using which indices are constructed.
    The two tables are stored in a hard disk or an electronic memory.
        An INDEPENDENT CLAIM is also included for information processing
    system.
        USE - For compressing multi records in relational database, for use
    in database of network call **detail   records** in telephony
    applications such as customer case for billing.
        ADVANTAGE - Effects multi record compression, while maintaining
    index ability and satisfactory access times. The storage cost of
    leaving data unnormalized is avoided if partial rows with repeated
    fields are stored. Maintains table access times at values less than
    average disk access time, since the table opening time is in the order
    of 1 ms in tested implementation. Since cost is low, multiple copies of
    data are run.
        DESCRIPTION OF DRAWING(S) - The figure shows the multi record
    compression.
        pp; 9 DwgNo 2/7
Title Terms: MULTI; RECORD; INFORMATION; COMPRESS; METHOD; RELATED;
  DATABASE
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

 11/5/41   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012657721   **Image available**
WPI Acc No: 1999-463826/199939
XRPX Acc No: N99-347495
  **Master file updating technique used in CAD - involves restoring
  divided master file based on annexation result, which is performed
  according to data element currently stored in memory**
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11194965	A	19990721	JP 97367972	A	19971226	199939	B

Priority Applications (No Type Date): JP 97367972 A 19971226
Patent Details:

Abstract (Basic): JP 11194965 A
        NOVELTY - Master file (MF1) is updated according to the contents
    currently stored in a memory (12). Then, the master file is divided by
    a dividing unit (13), after which annexation of data element is carried
    out. A **restoration** unit (15) **restores** the master **file** according
    to the annexation result. DETAILED DESCRIPTION - An INDEPENDENT CLAIM
    is also included for recording medium in which program for master file
    renewal is stored.
        USE - For updating master file which stores information
    corresponding to shape of fittings such as aluminum sash and door in
    computer equipped with **CAD** .
        ADVANTAGE - Carries out easy updation of master file. DESCRIPTION
    OF DRAWING(S) - The figure shows the block diagram of updation unit.
    (12) Memory; (13) Dividing unit; (15) Restoration unit.
        Dwg.2/9
Title Terms: MASTER; FILE; UPDATE; TECHNIQUE; **CAD** ; RESTORATION; DIVIDE;
   MASTER; FILE; BASED; ANNEX; RESULT; PERFORMANCE; ACCORD; DATA; ELEMENT;
   CURRENT; STORAGE; MEMORY
Derwent Class: T01
International Patent Class (Main): **G06F-012/00**
File Segment: EPI

   11/5/45   (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010516221   **Image available**
WPI Acc No: 1996-013172/199602
XRPX Acc No: N96-011299
   Trouble recovery **type** database **system for** CAD **- has provision to**
   access database by continuous processing even during trouble generation
Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: .001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 7262066	A	19951013	JP 9452314	A	19940323	199602	B

Priority Applications (No Type Date): JP 9452314 A 19940323
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7262066	A		9	G06F-012/00	

Abstract (Basic): JP 7262066 A
        The trouble **recovery** type **database** system consists of two data
    bases (1,2) connected to servers (3,4) respectively. The servers are
    connected to each other through a network (11). A client device (5) and
    a process manager device (8) are connected to the servers through
    networks (6,7,9,10). One server accesses the **original** network
    database while the other contains the duplicate data. Each server
    registers the history of requests received from the client in separate
    log files (12,13).
        When database is terminated due to error generated, a logging
    device. is activated. The logging device performs the automatic recovery
    of the affected server. The recovery process is concealed to the user
    since the normal server accepts the requests from the client. Once the
    affected server is completely rectified it receives the requests from
    the client.
        USE/ADVANTAGE - For online bank transaction. Provides compatibility
    between computers of different capacities. Enables continuous
    processing even though database gets corrupted. Provides reliable
    operation.
        Dwg.1/7
Title Terms: TROUBLE; RECOVER; TYPE; DATABASE; SYSTEM; **CAD** ; PROVISION; ·
   ACCESS; DATABASE; CONTINUOUS; PROCESS; EVEN; TROUBLE; GENERATE

```
Set     Items     Description
S1       1074     DETAIL?(1W)RECORD? ?
S2          1     SPILL????(1W)RECORD? ?
S3       8975     CAD OR CADS OR CHANGE()ACCUMULAT?
S4       2881     (RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE-
                  ()INSTAT???)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR???
                  OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5      13089     (BACKUP OR BACK??()UP OR ORIGINAL OR SAVED)(5N)(DATABASE? ?
                  OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR COPY OR F-
                  ILE? ? OR RECORD? ?)
S6          3     S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???-
                  ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD-
                  D??? OR INTEGRAT? OR INCORPORAT? OR  JOIN??? OR UNIT???)
S7          0     S1(S)S2
S8          7     S1:S2(S)S3
S9         18     S1(10N)S5
S10       129     S1:S3(S)(S4 OR S5)
S11       174     CADS OR CHANGE()ACCUMULAT?
S12        47     (S1:S2 OR S11)(S)S4:S5
S13        32     S12 AND IC=G06F
```

6/5,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00806384
NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE
Patent Applicant/Assignee:
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    (Residence), US (Nationality)
Inventor(s):
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    2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200139030 A2 20010531 (WO 0139030)
  Application: WO 2000US32324 20001122   (PCT/WO US0032324)
  Priority Application: US 99444775 19991122; US 99447621 19991122
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
  DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
  TT UA UG UZ VN YU ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 171499

English Abstract

French Abstract

Legal Status (Type, Date, Text)
Publication   20010531 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20010913 Request for preliminary examination prior to end of
                          19th month from priority date
Declaration   20021024 Late publication under Article 17.2a
Republication 20021024 A2 With declaration under Article 17(2)(a); without
                          abstract; title not checked by the International
                          Searching Authority.

Fulltext Availability:
  Detailed Description

Detailed Description
... persons skilled in the relevant arts.

  Call Record Format
  This embodiment provides the switches of a telecommunication network with
  nine (9) different record formats. These **records** include: Call **Detail**
  Record (CDR), Expanded Call **Detail** **Record** (ECDR), Private Network
  Record (PNR), Expanded Private Network Record (EPNR), Operator Service
  Record (OSR), Expanded Operator Service Record (EOSR), Private Operator
  Service Record (POSR), Expanded...

· 6/5,K/2   (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761429
METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS
PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS
Patent Applicant/Assignee:
  ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
    (Residence), US (Nationality)
Inventor(s):
  GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
  MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
  BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
  BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
    Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200073955 A2 20001207 (WO 0073955)
  Application: WO 2000US14357 20000524   (PCT/WO US0014357)
  Priority Application: US 99321495 19990527
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
  SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 148469

English Abstract

French Abstract
  La presente invention concerne un systeme permettant de realiser des
  transactions commerciales virtuelles apres identification des besoins de
  l'utilisateur. Tout d'abord, le systeme evalue les besoins d'un
  utilisateur. Il genere ensuite, sur la base des besoins de l'utilisateur,
  une solution, qui est affichee. Un paiement est alors accepte en echange
  de la solution. Il convient de noter que dans le cadre du present
  descriptif de l'invention, ladite solution est, mais pas exclusivement,
  un produit ou un service.

Legal Status (Type, Date, Text)
Publication   20001207 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20010301 Request for preliminary examination prior to end of
                          19th month from priority date
Declaration   20010802 Late publication under Article 17.2a
Republication 20010802 A2 With declaration under Article 17(2)(a); without
                          abstract; title not checked by the International
                          Searching Authority.

Fulltext Availability:
  Detailed Description

Detailed Description

:... a flowchart illustrating the method for selling products in accordance
    with one embodiment of the present invention;
    Figure 1G-1 is a flowchart providing more **detail** of the method for
    selling products
    in accordance with one embodiment of the present invention;
    Figure IH is a flowchart illustrating the method of identifying...

6/5,K/3   (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00758802   **Image available**
**METHOD AND APPARATUS FOR SELECTING AGGREGATE LEVELS AND CROSS PRODUCT
    LEVELS FOR A DATA WAREHOUSE**
**PROCEDE ET DISPOSITIF DE SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS
    CROISES POUR UN ENTREPOT DE DONNEES**
Patent Applicant/Assignee:
  PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY
    11749, US, US (Residence), US (Nationality)
Inventor(s):
  LORE Michael Dean, 22714 Hockaday Drive, Katy, TX 77450, US
  TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US
Legal Representative:
  JOHNSTON R Blake, Piper Marbury Rudnick & Wolfe, P.O. Box 64807, Chicago,
    IL 60664-0807, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200072201 A1 20001130 (WO 0072201)
  Application: WO 2000US14099 20000519 (PCT/WO US0014099)
  Priority Application: US 99317247 19990524
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12576

English Abstract
  A method for defining aggregate levels (Fig. 2B), aggregate sub-levels,
  and cross product levels to be used for aggregation in a data store
  having one or more dimensions (Figure 2A). Levels are defined
  corresponding to attributes in the dimension, so that data can be
  aggregated into aggregates corresponding to values of those attributes
  (Figure 3A and 3B).

French Abstract
  L'invention concerne un procede permettant de definir des niveaux
  d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de
  produits croises destines a etre utilises dans une memoire de donnees
  ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis
  par rapport a des attributs dans la dimension, ce qui permet d'assembler
  les donnees en agregats correspondant a des valeurs de ces attributs
  (figures 3A et 3B).

Legal Status (Type, Date, Text)
Publication   20001130 A1 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
... Closes the provider.

8) RecordCollector
The RecordCollector is an abstract object that knows what to do
with the results of detail processing. TheRecordCollectorreceives
records representing **aggregate** dimension records and **detail**
dimension **records** . In the presently preferred implementation, the
system maintains the generated **aggregate** **records** and the **original**
detail **records** in a large data file. The specific utilization of the
records is implementation-specific; this document describes how
the aggregate records are identified via the. ...

DIALOG(R)File 349:PCT FULLTEXT

00891386   **Image available**
A METHOD FOR VISUALIZING DATA BACKUP ACTIVITY FROM A PLURALITY OF BACKUP
    DEVICES
PROCEDE POUR VISUALISER UNE ACTIVITE DE SAUVEGARDE DE DONNEES A PARTIR DE
    PLUSIEURS DISPOSITIFS DE SAUVEGARDE
Patent Applicant/Assignee:
  BOCADA INC, 3055 112th Avenue N.E. #202, Bellevue, WA 98004, US, US
    (Residence), US (Nationality)
Inventor(s):
  BEAR Cory, 14150 N.E. 20th Street #315, Bellevue, WA 98007, US,
  SCANLAN Liam, 13720 S.E. 58 PL, Bellevue, WA 98006, US,
Legal Representative:
  LOHSE Timothy W (agent), Gray Cary Ware & Freidenrich LLP, 1755
    Embarcadero Road, Palo Alto, CA 94303-3340, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200225498 A1 20020328 (WO 0225498)
  Application: WO 2001US29434 20010919 (PCT/WO US0129434)
  Priority Application: US 2000665270 20000919; US 2000665269 20000919; US
    2000665267 20000919
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 9655

English Abstract
  A method and system for examining records of backup activity consolidated
  from a plurality of backup engines (BT), utilizing a data processing
  system, is disclosed. In the first aspect, a method comprises the steps
  of reorganizing records of backup acitivity originating from a plurality
  of backup engines into unique visual representation to facilitate the
  speedy and reliable identification of backup activity failure. The method
  also includes sending prepared request (F7) from BRG to RDB, and then
  receiving (G1) data from RDB. In another aspect, it is disclosed a method
  of representing a uniquely high number of levels of data extraction
  relating to backup successes and failure.

French Abstract
  Cette invention se rapporte a un procede et a un systeme servant a
  examiner les enregistrements d'une activite de sauvegarde consolidee par
  plusieurs moteurs de sauvegarde (BT), utilisant un systeme de traitement
  de donnees. Dans son premier aspect, un tel procede consiste a
  reorganiser les enregistrements de l'activite de sauvegarde provenant de
  plusieurs moteurs de sauvegarde en une representation visuelle unique,
  afin de faciliter l'identification rapide et fiable des erreurs de
  l'activite de sauvegarde. Ce procede consiste egalement a envoyer une
  demande preparee (F7) a partir d'une interface graphique de rapport de
  sauvegarde (BRG) vers une base de donnees relationnelle (RDB), puis a
  recevoir (G1) les donnees provenant de la base de donnees relationnelle
  (RDB). Dans un autre de ses aspects, cette invention concerne un procede
  servant a representer un nombre eleve unique de niveaux d'extraction de
  donnees concernant les echecs et les succes d'une activite de sauvegarde.

Legal Status (Type, Date, Text)

Fulltext Availability:
  Detailed Description

Detailed Description
  ... is sent to the database. This is another SQL statement, and this
  request is for **detailed** , **record** -by- **record** data about the **backup**
  activity for that server, client and target for that day. The SQL
  statement typically will...

  9/5,K/7   **(Item 4 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00761429
**METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF
  ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE
  BASED ON SUCH ASSESSED NEEDS**
**PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE
  D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN
  SERVICE SUR LA BASE DE CES BESOINS**
Patent Applicant/Assignee:
  ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US
    (Residence), US (Nationality)
Inventor(s):
  GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
  MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
  BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
  BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
    Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200073955 A2 20001207 (WO 0073955)
  Application: WO 2000US14357 20000524 (PCT/WO US0014357)
  Priority Application: US 99321495 19990527
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI
  SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 148469

English Abstract

French Abstract
  La presente invention concerne un systeme permettant de realiser des
  transactions commerciales virtuelles apres identification des besoins de
  l'utilisateur. Tout d'abord, le systeme evalue les besoins d'un
  utilisateur. Il genere ensuite, sur la base des besoins de l'utilisateur,
  une solution, qui est affichee. Un paiement est alors accepte en echange
  de la solution. Il convient de noter que dans le cadre du present
  descriptif de l'invention, ladite solution est, mais pas exclusivement,
  un produit ou un service.

Legal Status (Type, Date, Text)
Publication   20001207 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20010301 Request for preliminary examination prior to end of
                         19th month from priority date
Declaration   20010802 Late publication under Article 17.2a
Republication   20010802 A2 With declaration under Article 17(2)(a); without
                         abstract; title not checked by the International
                         Searching Authority.

Fulltext Availability:
  Detailed Description

Detailed Description
...   with one embodiment of the present invention;
  Figure 1G-1 is a flowchart providing more **detail** of the method for
  selling products
  in accordance with one embodiment of the present invention...

 9/5,K/8   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00758802   **Image available**
**METHOD   AND   APPARATUS   FOR   SELECTING   AGGREGATE   LEVELS AND CROSS PRODUCT
    LEVELS FOR A DATA WAREHOUSE**
**PROCEDE ET DISPOSITIF DE   SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS
    CROISES POUR UN ENTREPOT DE DONNEES**
Patent Applicant/Assignee:
  PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY
    11749, US, US (Residence), US (Nationality)
Inventor(s):
  LORE Michael Dean, 22714 Hockaday Drive, Katy, TX 77450, US
  TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US
Legal Representative:
  JOHNSTON R Blake, Piper Marbury Rudnick & Wolfe, P.O. Box 64807, Chicago,
    IL 60664-0807, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200072201 A1 20001130 (WO 0072201)
  Application: WO 2000US14099 20000519 (PCT/WO US0014099)
  Priority Application: US 99317247 19990524
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12576

English Abstract
  A method for defining aggregate levels (Fig. 2B), aggregate sub-levels,
  and cross product levels to be used for aggregation in a data store
  having one or more dimensions (Figure 2A). Levels are defined
  corresponding to attributes in the dimension, so that data can be
  aggregated into aggregates corresponding to values of those attributes
  (Figure 3A and 3B).

French Abstract
  L'invention concerne un procede permettant de definir des niveaux

d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de
produits croises destines a etre utilises dans une memoire de donnees
ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis
par rapport a des attributs dans la dimension, ce qui permet d'assembler
les donnees en agregats correspondant a des valeurs de ces attributs
(figures 3A et 3B).

Legal Status (Type, Date, Text)
Publication   20001130 A1 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
... and detail
  dimension records. In the presently preferred implementation, the
  system maintains the generated aggregate **records** and the **original**
   detail   records in a large data file. The specific utilization of the
  records is implementation-specific; this...

...the level rules and detail data, and the agorregate dimension records
  and their relationship to **detail   records** is **saved** by the
  RecordCollector. After this process is per-formed for all dimensions, the
  level groups...

 9/5,K/9   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00753791   **Image available**
INTERNET-BASED COMMERCE SYSTEM
SYSTEME DE COMMERCE VIA INTERNET
Patent Applicant/Assignee:
  SICOMMNET INC, 2918 Fifth Avenue, Suite 210, San Diego, CA 92103, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  BERAN James G, 4580 Vista Street, San Diego, CA 92116, US, US (Residence)
    , US (Nationality), (Designated only for: US)
  TOLLEFSON Kenneth D, 12125 Salix Court, San Diego, CA 92129, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  BEN-MEIR David H, Lyon & Lyon LLP, 633 West Fifth Street, Suite 4700, Los
    Angeles, CA 90071-2066, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200067171 A1 20001109 (WO 0067171)
  Application: WO 2000US11099 20000425 (PCT/WO US0011099)
  Priority Application: US 99132337 19990503; US 2000477054 20000103
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 11287

English Abstract
  An internet-based commerce system (100) simultaneously usable by multiple
  purchasing organizations (112) and multiple vendors (114) while
  controlled by a virtual single server and database is disclosed. The

commerce system handles the requisitions for goods and services by system
users within an purchasing organization and directs requisitions to other
users for approval within that purchasing organization using approval
routes electronically established within the database. Requisitions are
electronically processed into Requests for Quotation (RFQ), Requests for
Information (RFI) or Requests for Bid (RFB) that are then released to the
internet for electronic responses by users representing vendors who
access the system. Vendors with profiles matching the requests are
notified preferably through response-prompting e-mail. Using the system,
buyer users for purchasing organizations process electronic responses
into awards. The system then notifies the awardees and other vendors.

French Abstract
L'invention concerne un systeme de commerce via Internet (100) pouvant
etre simultanement utilise par de multiples organisations d'achat (112)
et de multiples vendeurs (114) et commande par un seul serveur virtuel et
une base de donnees associee. Ce systeme de commerce gere les commandes
de biens et services effectuees par les utilisateurs du systeme au sein
d'une organisation d'achat et adresse ces commandes a d'autres
utilisateurs au sein de cette organisation d'achat en vue d'une
approbation via des methodes d'approbation electroniques etablies dans la
base de donnees. Ces commandes sont traitees par voie electronique et
transformees en demandes de prix (DP), en demandes d'informations (DI) ou
en demandes d'offres (DO) qui sont ensuite accessibles sur Internet afin
que les utilisateurs representant les vendeurs repondent par message
electronique. Les vendeurs, dont les profils correspondent aux demandes,
sont avertis de preference par courrier electronique les invitant a
repondre au courrier. Grace a ce systeme, les utilisateurs acheteurs
traitent les reponses electronique et en acceptent certaines. Le systeme
notifie alors les vendeurs selectionnes et les autres vendeurs.

Legal Status (Type, Date, Text)
Publication   20001109 A1 With international search report.
Publication   20001109 A1 With amended claims.
Examination   20010222 Request for preliminary examination prior to end of
                        19th month from priority date

Fulltext Availability:
  Detailed Description

Detailed Description
... dealing with public agencies. The vendor response data is then stored
  in an RFX Response **Detail   record** , which collects all of the vendor
  responses 704. This new **record** is linked with the **original** REX record
  by the original RFX record reference number. This record will continue to
  store...the buyer selects an awardee, the commerce system 100 creates a
  Purchase Order (P.O.) **Detail   Record** that is linked by reference
  number to the **original** RFX **record** 712. With the creation of this
  record, the commerce system 100 sends the buyer an...

 9/5,K/12   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00459361   **Image available**
EXTRACTION OF DESIRED DATA FROM DATA FLOW
EXTRACTION DE DONNEES SOUHAITEES DEPUIS UN FLUX DE DONNEES
Patent Applicant/Assignee:
  NOKIA TELECOMMUNICATIONS OY,
  JARVI Jukka,
  POIKOLAINEN Kimmo,
Inventor(s):
  JARVI Jukka,
  POIKOLAINEN Kimmo,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9849825 A1 19981105
  Application: WO 98FI289 19980401 (PCT/WO FI9800289)

Priority Application: FI 971621 19970416
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
    FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
    MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
    UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
    CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
    ML MR NE SN TD TG
Main International Patent Class: H04M-015/00
Publication Language: English
Fulltext Availability:
    Detailed Description
    Claims
Fulltext Word Count: 6654

English Abstract
    In known telephone systems it is very difficult to change call detailed
    records CDR formatted from a raw data flow. In the proposed method, the
    exchange supplier formats a special mother form, which is a file and
    which shows in plain language (in ASCII form) all names and parameters of
    fields in the raw data flow. The operator has a program using a graphic
    interface and showing the mother form in the display. Beside it a user
    form blank is seen and the user selects the fields he desires simply by
    dragging with the mouse the field of his choice from the mother form into
    the user form and by dropping the field here (drag and drop). In this
    manner the user formats his own form, which contains such data only which
    he wishes to have in the CDR. When the user form has arrived at the
    telephone exchange and at the billing centre, it can be activated at any
    time. The formatting process hereby extracts from the raw data flow the
    data corresponding to fields stated in the form, thus formatting the CDR
    and sends it to the billing centre, which using the same form made by the
    user will interpret the data contained in the received CDR, that is, it
    creates fields and attaches data belonging to fields from the CDR. Thus,
    the names of fields are not transferred from the exchange to the billing
    centre.

French Abstract
    Dans des systemes telephoniques connus, il est tres difficile de
    modifier les enregistrements detailles d'appels (CDR) formates a partir
    d'un flux de donnees brutes. Selon ce procede, le fournisseur de services
    formate une formule matrice speciale qui est un fichier et qui presente
    en langage simple (ASCII) tous les noms et tous les parametres de champ
    du flux de donnees brutes. L'operateur possede un programme mettant en
    application une interface graphique et montrant cette formule matrice sur
    l'affichage. A cote de ce document, on voit une formule vierge
    d'utilisateur et ce dernier selectionne les champs qu'il desire en
    attirant au moyen de la souris le champ de son choix depuis la formule
    matrice vers l'interieur de la formule d'utilisateur et en lachant le
    champ dans cette derniere. De ce fait, l'utilisateur formate sa propre
    formule ne contenant que les donnees qu'il souhaite etre presentes dans
    le CDR. Quand la formule d'utilisateur est arrivee au niveau du central
    telephonique et du centre de facturation, on peut la mettre en service a
    tout moment. Ce procede de formatage permet d'extraire du flux de donnees
    brutes les donnees correspondant a des champs indiques dans la formule,
    et, par consequent, de formater le CDR et de l'envoyer au centre de
    facturation, qui, au moyen de la meme formule elaboree par l'utilisateur,
    interpretera les donnees contenues dans le CDR recu, c'est a dire qu'il
    creera des champs et reliera les donnees appartenant aux champs depuis le
    CDR. Ceci evite de transferer les noms des champs depuis le central
    jusqu'au centre de facturation.

Fulltext Availability:
    Detailed Description

Detailed Description
...   etc. In fixed network applications there are about 30 different
    formatting bases. The formatted call **detailed   records** are first
    saved in the memory and are then sent to the centralised billing system,
    where they are...

9/5,K/18   (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00207478   **Image available**
TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS
Patent Applicant/Assignee:
  SEER TECHNOLOGIES INC,
Inventor(s):
  ABBAEI Manoochehr,
  ANDERSON Kent L,
  ASH Rami,
  AVILA Gregory Fernando,
  BARTSCH Paula L,
  BIRDIE Khurshed F,
  BIRSCHBACH Michael,
  BLAIR Mark H,
  BORROR Jeffrey,
  BRADLEY Karen Susan,
  BRENNEN Andrew,
  BROWN Todd,
  CAMPBELL James,
  CARELLA Joseph L,
  CASE Stephen P,
  CHIAPPETTA Wayne,
  CLAY Nicholas John,
  COMMERFOD JoEllen,
  CORCORAN Patricia,
  CUSWORTH Richard A,
  EISENBERG Ivy Mae,
  FERRUCCI Charlotte M,
  FIDUCCIA Frank J,
  FRIEDMAN Jacob,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9204679 A1 19920319
  Application: WO 91US6279 19910830 (PCT/WO US9106279)
  Priority Application: US 90689 19900831
Designated States: AT AU BE CA CH DE DK ES FR GB GR HU IT JP KR LU NL SE SU
Main International Patent Class: G06F-015/21
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 48269

English Abstract
  A transaction processor (2) utilized in a multi-environment computer
  hardware system (1) that permits an integrated way to process and track
  the many transaction events related to running a business or
  organization, such as a securities trading firm. The transaction
  processor (2) permits centralized storage of transaction data for
  integrated access by programmed modules (6) tracking different
  transaction events.

French Abstract
  Processeur (2) de transactions utilise dans un systeme (1) de materiel
  informatique multi-environnement permettant de traiter et de suivre de
  maniere integree les nombreux evenements de transaction associes a la
  gestion d'une entreprise ou d'une organisation telle qu'une societe de
  commerce de titres. Le processeur (2) de transactions permet le stockage
  centralise de donnees de transaction en vue d'un acces integre par des
  modules programmes (6) suivant differents evenements de transaction.

Fulltext Availability:
  Detailed Description

Detailed Description

... every clearance main file
1010 record. Activities which result in the
creation of a clearance **detail** **records** include: 1)
the **original** booking of the trade; 2) a trade
cancellation or correction; 3) a transmission of a...

` 13/5,K/19   (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00758802   **Image available**
METHOD AND APPARATUS FOR SELECTING AGGREGATE LEVELS AND CROSS PRODUCT
    LEVELS FOR A DATA WAREHOUSE
PROCEDE ET DISPOSITIF DE SELECTION DE NIVEAUX D'AGREGATS ET DE PRODUITS
    CROISES POUR UN ENTREPOT DE DONNEES
Patent Applicant/Assignee:
  PLATINUM TECHNOLOGY IP INC, One computer Associates Plaza, Islandia, NY
    11749, US, US (Residence), US (Nationality)
Inventor(s):
  LORE Michael Dean, 22714 Hockaday Drive, Katy, TX 77450, US
  TSE Eva Man-Yan, 1835 American Elm Court, Sugar Land, TX 77479, US
Legal Representative:
  JOHNSTON R Blake, Piper Marbury Rudnick & Wolfe, P.O. Box 64807, Chicago,
    IL 60664-0807, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200072201 A1 20001130 (WO 0072201)
  Application: WO 2000US14099 20000519 (PCT/WO US0014099)
  Priority Application: US 99317247 19990524
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12576

English Abstract
  A method for defining aggregate levels (Fig. 2B), aggregate sub-levels,
  and cross product levels to be used for aggregation in a data store
  having one or more dimensions (Figure 2A). Levels are defined
  corresponding to attributes in the dimension, so that data can be
  aggregated into aggregates corresponding to values of those attributes
  (Figure 3A and 3B).

French Abstract
  L'invention concerne un procede permettant de definir des niveaux
  d'agregats (figure 2B), des sous-niveaux d'agregats, et des niveaux de
  produits croises destines a etre utilises dans une memoire de donnees
  ayant une ou plusieurs dimensions (figure 2A). Les niveaux sont definis
  par rapport a des attributs dans la dimension, ce qui permet d'assembler
  les donnees en agregats correspondant a des valeurs de ces attributs
  (figures 3A et 3B).

Legal Status (Type, Date, Text)
Publication   20001130 A1 With international search report.

Main International Patent Class: G06F-017/30
Fulltext Availability:
  Detailed Description

Detailed Description
... up" to get the aggregates identified by the aggregate dimension record
  for that level.

  A **detail** dimension **record** is considered eligible to participate in a
  level if it could meet the conditions of...

`...of attribute values where the attributes are used in the level rule.
Note that aggregate **records** are generated based on distinct **original**
attribute values, not on the attribute expression in a rule item. For
instance, if the...and detail
dimension records. In the presently preferred implementation, the
system maintains the generated aggregate **records** and the **original**
detail **records** in a large data file. The specific utilization of the
records is implementation-specific; this...

...the level rules and detail data, and the agorregate dimension records
and their relationship to **detail** **records** is **saved** by the
RecordCollector. After this process is per-formed for all dimensions, the
level groups...

13/5,K/20   (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00753791   **Image available**
INTERNET-BASED COMMERCE SYSTEM
SYSTEME DE COMMERCE VIA INTERNET
Patent Applicant/Assignee:
  SICOMMNET INC, 2918 Fifth Avenue, Suite 210, San Diego, CA 92103, US, US
     (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  BERAN James G, 4580 Vista Street, San Diego, CA 92116, US, US (Residence)
     , US (Nationality), (Designated only for: US)
  TOLLEFSON Kenneth D, 12125 Salix Court, San Diego, CA 92129, US, US
     (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  BEN-MEIR David H, Lyon & Lyon LLP, 633 West Fifth Street, Suite 4700, Los
     Angeles, CA 90071-2066, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200067171 A1 20001109 (WO 0067171)
  Application: WO 2000US11099 20000425   (PCT/WO US0011099)
  Priority Application: US 99132337 19990503; US 2000477054 20000103
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/60**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 11287

English Abstract
  An internet-based commerce system (100) simultaneously usable by multiple
  purchasing organizations (112) and multiple vendors (114) while
  controlled by a virtual single server and database is disclosed. The
  commerce system handles the requisitions for goods and services by system
  users within an purchasing organization and directs requisitions to other
  users for approval within that purchasing organization using approval
  routes electronically established within the database. Requisitions are
  electronically processed into Requests for Quotation (RFQ), Requests for
  Information (RFI) or Requests for Bid (RFB) that are then released to the
  internet for electronic responses by users representing vendors who
  access the system. Vendors with profiles matching the requests are
  notified preferably through response-prompting e-mail. Using the system,
  buyer users for purchasing organizations process electronic responses
  into awards. The system then notifies the awardees and other vendors.

French Abstract
  L'invention concerne un systeme de commerce via Internet (100) pouvant
  etre simultanement utilise par de multiples organisations d'achat (112)
  et de multiples vendeurs (114) et commande par un seul serveur virtuel et
  une base de donnees associee. Ce systeme de commerce gere les commandes
  de biens et services effectuees par les utilisateurs du systeme au sein
  d'une organisation d'achat et adresse ces commandes a d'autres
  utilisateurs au sein de cette organisation d'achat en vue d'une
  approbation via des methodes d'approbation electroniques etablies dans la
  base de donnees. Ces commandes sont traitees par voie electronique et
  transformees en demandes de prix (DP), en demandes d'informations (DI) ou
  en demandes d'offres (DO) qui sont ensuite accessibles sur Internet afin
  que les utilisateurs representant les vendeurs repondent par message
  electronique. Les vendeurs, dont les profils correspondent aux demandes,
  sont avertis de preference par courrier electronique les invitant a
  repondre au courrier. Grace a ce systeme, les utilisateurs acheteurs
  traitent les reponses electronique et en acceptent certaines. Le systeme
  notifie alors les vendeurs selectionnes et les autres vendeurs.

Detailed Description
...   dealing with public agencies. The vendor response data is then stored
  in an RFX Response **Detail   record** , which collects all of the vendor
  responses 704. This new **record** is linked with the **original** REX
  record by the **original** RFX **record** reference number. This **record**
  will continue to store vendor responses until the bidding closing date
  specified in the **original** RFX **record** . This function is performed as
  part of the batch process 216. The batch process 216...then select an RFX
  to examine. The buyer can then scan the finalized RFX Response **Detail**
  Record corresponding to a particular RFX record. The buyer has the
  option of viewing the vendor...

...the buyer to electronically select an awardee from the vendors listed in
  the RFX Response **Detail   Record** 710. The award can be limited to a
  particular line item of goods I 0...

...the buyer selects an awardee, the commerce system 100 creates a Purchase
  Order (P.O.) **Detail   Record** that is linked by reference number to the
  original RFX **record** 712. With the creation of this record, the
  commerce system 100 sends the buyer an...

Claim
...   DATA ENTRY
  ION: ALTER LINE ITEM DATA DOCUMENT RECORD IS
  AGENCY CATALOG TO THE REQUEST- **SAVED** . **RECORD** HAS A
  HTML PAGE 2 STATUS FIELD, HOLDING
  OF REQUEST A VALUE CORRESPONDING T
  I...

...C k/
  RESPONSE DATA PAGE WHEN AWARDEE IS SELECTED, 729'-/@
  SYSTEM CREATES A PURCHASE
  ORDER **DETAIL   RECORD** [WINK D
  @DATA IS SENT TO D2@@@ 702 TO THE ORIGFNA-L RFX A 714...

...DATA IS STORED IN NEW RECORD: RFX RESPONSE DETAIL [SYSTEM ENABLES BUYER
  ENTRY (RFX RESPONSE **DETAIL   RECORD   RECORD** HAS RFX OF AWARD DATA IN

13/5,K/21   (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00560809   **Image available**
**METHOD AND APPARATUS FOR DEPLOYING SERVICE MODULES AMONG SERVICE NODES
    DISTRIBUTED IN AN INTELLIGENT NETWORK**
**PROCEDE ET APPAREIL DE DEPLOIEMENT DE MODULES DE SERVICE DANS DES NOEUDS DE
    SERVICE REPARTIS DANS UN RESEAU INTELLIGENT**
Patent Applicant/Assignee:
  DUGAN Andrew,
  ROBB Terrence,
  HOLMES Allen,
  DEO Ajay,
Inventor(s):
  DUGAN Andrew,
  ROBB Terrence,
  HOLMES Allen,
  DEO Ajay,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200024182 A1 20000427 (WO 0024182)
  Application: WO 99US24578 19991020 (PCT/WO US9924578)
  Priority Application: US 98104890 19981020
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
  BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: H04M-003/00
International Patent Class: H04M-003/42; H04M-007/00; H04L-012/00;
  G06F-011/30 ; G06F-015/16
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 17155

English Abstract
  A method and apparatus for deploying and activating services in a
  communications network (202). In the context of a communications network
  (202) that deploys service functionality by distributing managed software
  objects to the service processing nodes (204), the present invention
  relates to selectively dispensing managed objects from a repository (230)
  and coordinating the instantaneous activation or deactivation of services
  through the communications network (202). Furthermore, where a managed
  object service creation environment (228) is coupled to the
  communications network (202), the method and apparatus of the present
  invention provides security, back-up, and version control of managed
  objects and other network data stored in the repository (230).

French Abstract
  L'invention concerne un procede et un appareil de deploiement et
  d'activation de services dans un reseau (202) de communication. Dans le
  contexte d'un reseau (202) de communication deployant une fonctionnalite
  de service en distribuant des objets logiciels aux noeuds (204) de
  traitement de service, la presente invention a trait a la repartition
  selective d'objets de gestion a partir d'un gisement (230) et a la
  coordination de l'activation ou de la desactivation instantanee de
  services dans le reseau (202) de communication. En outre, lorsqu'un
  environnement (228) de creation de services d'objets de gestion est
  couple au reseau de communication (202), le procede et l'appareil de la

presente invention decrivent une commande de securite, de secours et de
version d'objets de gestion et d'autres donnees du reseau memorisees dans
le gisement (230).

...International Patent Class: **G06F-011/30** ...

... **G06F-015/16**
Fulltext Availability:
  Detailed Description

Detailed Description
...   Preferably, each
  of the foregoing types of billing records may be expanded.

  Thus, expanded call **detail   records** (ECDRs), expanded private
  network records (EPNRs), expanded operator service records
  (EOSRs), and, expanded private operator...

  ...through DM include switch event records (SERs) which identify a
  switch event (e.g., system **recovery** , time change) and billing
  data **records** (BDRs). This function additionally includes
  storing call history records on a long term storage and...

  13/5,K/22   (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00554430   **Image available**
METHOD   AND SYSTEM FOR PROVIDING A GLOBAL SATELLITE BASED TELECOMMUNICATION
     NETWORK
PROCEDE   ET SYSTEME D'ELABORATION D'UN RESEAU MONDIAL DE TELECOMMUNICATIONS
     PAR SATELLITES
Patent Applicant/Assignee:
  IRIDIUM IP LLC,
Inventor(s):
  SMITH Robert Kyle,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200017803 A1 20000330 (WO 0017803)
  Application: WO 99US21242 19990922 (PCT/WO US9921242)
  Priority Application: US 98101427 19980922
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY
  KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: **G06F**
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 18800

English Abstract
  A system and method for providing services to users of a global
  telecommunications network (100). The system and method use service
  business system (410) which includes service providers who sell
  subscriptions for usage of the telecommunications network (100), a
  gateway business system (420) which includes service activation, Tier II
  customer support, payment and settlement processing, service provider
  management, usage collection, and retail rating, and a business support
  system (430) which includes gateway relationship management, financial
  and treasury and usage collection. Billing files and reports are
  distributed to a plurality of destinations.

French Abstract
  L'invention porte sur un procede et un systeme de prestation de services

aux utilisateurs d'un reseau mondial (100) de telecommunications
utilisant un service d'assistance commerciale (410) comportant: (a) des
prestataires de services vendant des souscriptions utilisables dans le
reseau mondial (100) de telecommunications; (b) un systeme de passerelles
commerciales (420) offrant une activation de services, une assistance
Tier II aux clients, des traitements des paiements et des reglements, une
gestion des prestataires de services, un recueil des taux d'utilisation,
et une tarification au detail; (c) un systeme d'assistance commerciale
(430) offrant une gestion des relations entre passerelles, et des
recueils financiers, de tresorerie et de taux d'utilisation. Les fichiers
et rapports de facturation sont ventiles vers de nombreuses destinations.

Main International Patent Class: **G06F**
Fulltext Availability:
  Claims

Claim
... claim 2 1, wherein the first destination is a plurality of
  repositories comprising a usage **repository** , an error **repository** , and
  an **original** call **detail** **record** directory.

  23 The method of claim 2 1, wherein the second destination is a plurality
  ...
...process.

  24 The method of claim 21, wherein the types of the plurality of call
  detail **records** comprise valid **records** , **original** call **detail**
  records , invalid **records** , and event
  records,
  wherein the valid **records** , the invalid **records** , and the **original**
  call **detail** **records**
  are sent to the first destination,
  wherein the events records are sent to the second...

...valid records are sent to a usage repository,
  invalid records are sent to an error **repository** , and
   original call **detail** **records** are sent to an **original** call **detail**
   record
  directory.

  26 The method of claim 24, wherein a plurality of final destinations for
  the...

 13/5,K/23   (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00487177   **Image available**
AUTOMATED DEBT PAYMENT SYSTEM AND METHOD USING ATM NETWORK
SYSTEME AUTOMATISE DE REGLEMENT DE CREANCE UTILISANT UN RESEAU MTA ET
    TECHNIQUE AFFERENTE
Patent Applicant/Assignee:
  MARTIN Joseph B Jr,
  HINKLE D Allen,
Inventor(s):
  MARTIN Joseph B Jr,
  HINKLE D Allen,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9918529 A1 19990415
  Application: WO 98US19897 19981001 (PCT/WO US9819897)
  Priority Application: US 97943284 19971003
Designated States: AU BR CA AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
  PT SE
Main International Patent Class: **G06F-017/60**
Publication Language: English
Fulltext Availability:

· Detailed Description
  Claims
· Fulltext Word Count: 11434

English Abstract
   An electronic funds transfer methodology for providing access to
   non-bank loan payment processors (24) through established ATM networks
   (8), allowing a customer to transfer funds electronically from an account
   at the customer's bank (18) to a loan servicer (24) to satisfy an
   outstanding payment obligation. Information relevant to the payment is
   communicated electronically from the loan servicer through software
   designed to access the servicer's loan database, extract specific fields
   from designated records, and communicate this information to a third
   party central computer. The third party central computer reformats the
   data as necessary, aggregates this information with any similar
   information received from other loan or debt servicers, and transmits the
   aggregated information to one or more ATM transaction processors.

French Abstract
   L'invention porte sur une technique de transfert de fonds electronique
   permettant d'avoir acces a des processeurs de payement de prets non
   bancaires (24) par le truchement de reseaux MTA existants (8) permettant
   a un client de transferer par voie electronique des fonds d'un compte sur
   sa banque (18) a un agent serveur de prets (24) afin d'acquitter une
   obligation de reglement a executer. L'information relative au reglement
   est communiquee par voie electronique par l'agent serveur de pret par
   l'intermediaire d'un programme concu pour acceder a la base de donnees de
   l'agent serveur de pret, extraire des zones de donnees specifiques
   d'enregistrements designes et transmettre cette information a un
   ordinateur central tiers. Ce dernier reformatte les donnees le cas
   echeant, relie cette information a toute information similaire emanant
   d'autres agents serveurs de prets ou de creances et fait passer l'agregat
   d'informations a un pou plusieurs processeurs MTA transactionnels.

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Detailed Description

Detailed Description
... transmission of the data, the process proceeds to block 606, where the
   downloaded data is **saved** .

   In block 608, the transaction **records** are disaggregated by loan
   servicer. From this information, **detailed** **records** of the amount of
   funds transferred for each outstanding obligation are received and this
   information...

  13/5,K/24   (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00484627
INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT
SYSTEME   D'ECHANGES   COMMERCIAUX   INTEGRES   POUR   LA   GESTION   DE
   TELECOMMUNICATIONS SUR LE WEB
Patent Applicant/Assignee:
  BARRY B Reilly,
  CHODORONEK Mark A,
  DeROSE Eric,
  GONZALES Mark N,
  JAMES Angela R,
  LEVY Lynne,
  TUSA Michael,
Inventor(s):
  BARRY B Reilly,
  CHODORONEK Mark A,
  DeROSE Eric,

GONZALES Mark N,
JAMES Angela R,
LEVY Lynne,
TUSA Michael,

English Abstract
  The specification discloses a method of doing business over the public
  Internet, particularly, a method which enables access to legacy
  management tools used by a telecommunications enterprise in the
  management of the enterprise business to the enterprise customer, to
  enable the customer to more effectively manage the business conducted by
  the customer through the enterprise, this access being provided over the
  public Internet. This method of doing business is accomplished with one
  or more secure web servers which manage one or more secure client
  sessions over the Internet, each web server supporting secure
  communications with the client workstation; a web page backplane
  application capable of launching one or more management tool applications
  used by the enterprise. Each of the management tool applications provide
  a customer interface integrated within said web page which enables
  interactive Web/Internet based communications with the web servers; each
  web server supports communication of messages entered via the integrated
  customer interface to one or more remote enterprise management tool
  application servers which interact with the enterprise management tool
  applications to provide associated management capabilities to the
  customer.

French Abstract
  Cette invention se rapporte a un procede permettant de realiser des
  echanges commerciaux par l'Internet, en particulier un procede qui permet
  d'acceder a des outils de gestion legues utilises par une entreprise de
  telecommunications pour la gestion de ses relations commerciales avec ses
  clients, et pour permettre aux clients de gerer plus efficacement leurs
  interets commerciaux par l'intermediaire de l'entreprise, cet acces etant
  assure par l'Internet. Ce procede d'echanges commerciaux utilise un ou
  plusieurs serveurs web securises, qui gerent une ou plusieurs sessions
  client securisees sur l'Internet, chaque serveur web prenant en charge
  les communications securisees avec la station de travail client; ainsi
  qu'une application de fond de panier de page web capable de lancer une ou
  plusieurs applications d'outils de gestion utilisees par l'entreprise.
  Chacune de ces applications d'outils de gestion fournit une interface
  client integree a chaque page web qui permet des communications
  interactives par le Web/l'Internet avec les serveurs web; et chaque
  serveur web prend en charge la communication des messages entres via
  l'interface client integree a destination d'un ou de plusieurs serveurs
  d'applications d'outils de gestion d'entreprise distants, qui entrent en
  interaction avec les applications d'outils de gestion d'entreprise pour
  assurer aux clients des capacites de gestion associees.

Detailed Description
... back-end
  midrange application known as the StarODS server
  receives report requests for priced call **detail** data

data throu h a Talarian smart socket messag@ng
interface 350 to the Report...ARD message is sent from the Report
Requestor client
to the RM server and is **saved** in the RM inventory
 database for subsequent execution. Consequently, the
report is flagged as incomplete in the User-table and...

 13/5,K/25   (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00419920   **Image available**
**TRUSTED INFRASTRUCTURE SUPPORT SYSTEMS, METHODS AND TECHNIQUES FOR SECURE
    ELECTRONIC COMMERCE, ELECTRONIC TRANSACTIONS, COMMERCE PROCESS CONTROL
    AND AUTOMATION, DISTRIBUTED COMPUTING, AND RIGHTS MANAGEMENT**
**SYSTEME   D'ASSISTANCE   INFRASTRUCTURELLE   ADMINISTRATIVE,   PROCEDES ET
    TECHNIQUES   SURES   CONCERNANT   LE   COMMERCE   ET LES TRANSACTIONS
    ELECTRONIQUES, COMMANDE ET AUTOMATISATION DES PROCESSUS COMMERCIAUX,
    CALCUL REPARTI ET GESTION DES REDEVANCES**
Patent Applicant/Assignee:
 INTERTRUST TECHNOLOGIES CORP,
 SHEAR Victor H,
 VAN WIE David M,
 WEBER Robert,
Inventor(s):
 SHEAR Victor H,
 VAN WIE David M,
 WEBER Robert,
Patent and Priority Information (Country, Number, Date):
 Patent: WO 9810381 A1 19980312
 Application: WO 96US14262 19960904 (PCT/WO US9614262)
 Priority Application: WO 96US14262 19960904
Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
 GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ
 PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG
 AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
 PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G07F-007/00
International Patent Class: G07F-07:10; **G06F-17:60**
Publication Language: English
Fulltext Availability:
 Detailed Description
 Claims
Fulltext Word Count: 85684

English Abstract
  The present inventions provide an integrated, modular array of
  administrative and support services for electronic commerce and
  electronic rights and transaction management. These administrative and
  support services supply a secure foundation for conducting financial
  management, rights management, certificate authority, rules clearing,
  usage clearing, secure directory services, and other transaction related
  capabilities functioning over a vast electronic network such as the
  Internet and/or over organization internal Intranets. These
  administrative and support services can be adapted to the specific needs
  of electronic commerce value chains. Electronic commerce participants can
  use these administrative and support services to support their interests,
  and can shape and reuse these services in response to competitive
  business realities. A Distributed Commerce Utility having a secure,
  programmable, distributed architecture provides administrative and
  support services. The Distributed Commerce Utility makes optimally
  efficient use of commerce administration resources, and can scale in a
  practical fashion to accommodate the demands of electronic commerce
  growth. The Distributed Commerce Utility may comprise a number of
  Commerce Utility Systems. These Commerce Utility Systems provide a web of
  infrastructure support available to, and reusable by, the entire
  electronic community and/or many or all of its participants. Different

- support functions can be collected together in hierarchical and/or in networked relationships to suit various business models and/or other objectives. Modular support functions can be combined in different arrays to form different Commerce Utility Systems for different design implementations and purposes. These Commerce Utility Systems can be distributed across a large number of electronic appliances with varying degrees of distribution.

French Abstract
   L'invention porte sur un reseau modulaire integre de services administratifs et d'assistance relatifs au commerce electronique, aux redevances electroniques et a la gestion des transactions. Lesdits services fournissent des fondements surs permettant de conduire la gestion financiere, la gestion des redevances, les contrats d'agence, la compensation des regles, la compensation des utilisations, des services surs de repertoires, et autres prestations liees aux transactions traitees par un vaste reseau electronique tel qu'Internet et/ou par des Intranets internes a des organisations. Ces services peuvent etre adaptes aux besoins specifiques de chaines electroniques de valeurs commerciales. Les acteurs du commerce electronique peuvent utiliser lesdits services pour defendre leurs interets, les adapter aux realites de la concurrence, et les reutiliser. Lesdits services sont fournis par une entite commerciale repartie presentant une structure sure, programmable et repartie. L'entite commerciale repartie tire le maximum d'efficacite des ressources en matiere de gestion commerciale, et peut aisement s'adapter pour faire face aux exigences de la croissance du commerce electronique. L'entite commerciale repartie peut comprendre un certain nombre de systemes d'entites commerciales constituant un reseau d'assistance infrastructurelle disponible et reutilisable par l'ensemble de la communaute electronique et/ou plusieurs ou la totalite de ses participants. Il est possible de regrouper certaines fonctions d'assistance par ordre hierarchique et/ou de reseau en vue d'une adaptation a differents modeles commerciaux et/ou a d'autres objectifs. Des fonctions modulaires d'assistance peuvent etre combinees de differentes manieres pour constituer differents systemes d'entites commerciales correspondant a differentes elaborations de structures et a differents desseins. Lesdits systemes d'entites commerciales peuvent etre repartis entre de nombreux dispositifs electroniques avec des niveaux de repartition variables.

...International Patent Class: **G06F-17:60**
Fulltext Availability:
  Detailed Description

Detailed Description
... content were accessed). Records from content types that are not interesting may be discarded. The **detailed   records** themselves may be discarded after analysis. In another example, the UDE values (e.g., how...some use
  100
  records may be processed and analyzed locally (and then discarded), while other **detail   records** are **saved** for later processing.
  Once the distributed clearing functions have been performed, the information can be...

  13/5,K/32   (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00183237   **Image available**
COMPUTER OPERATIONS RECORDER AND TRAINING SYSTEM
**SYSTEME   D'APPRENTISSAGE   ET   D'ENREGISTREMENT   DU   FONCTIONNEMENT   D'UN
    ORDINATEUR**
Patent Applicant/Assignee:
  TDS HEALTHCARE SYSTEMS CORPORATION,
Inventor(s):

English Abstract
   A method for detecting and recording signals from an input device
   operatively connected to a digital computer and output from a target
   program accessible by the computer, the method comprising the steps of:
   a) loading recorder means into ROM of the computer; b) accessing a format
   table file with the recorder to get data representing predefined
   recording characteristics of the target program and configure the
   recorder to the target program; c) monitoring and interceding in the
   control of the operations of the computer with the recorder; d) accessing
   the target program with the digital computer; e) recording to a datafile
   signals from the input device, the signals representing input to the
   target program, and a sequence of screens produced by the target program.

French Abstract
   Un procede permet de detecter et d'enregistrer des signaux emis par un
   dispositif d'entree connecte de maniere fonctionnelle a un ordinateur
   numerique et les sorties d'un programme cible accessible par
   l'ordinateur. Le procede comprend les etapes suivantes: (a) le chargement
   des moyens d'enregistrement dans la memoire morte de l'ordinateur; (b)
   l'acces par les moyens d'enregistrement a un fichier contenant une table
   de configuration afin d'obtenir des donnees qui representent des
   caracteristiques predefinies d'enregistrement du programme cible et de
   configurer les moyens d'enregistrement en fonction du programme cible;
   (c) le controle et l'interception de la commande du fonctionnement de
   l'ordinateur par les moyens d'enregistrement; (d) l'acces au programme
   cible par l'ordinateur numerique; (e) l'enregistrement dans un fichier de
   donnees des signaux emis par le dispositif d'entree, qui representent des
   entrees dans le programme cible, et d'une sequence d'images generees sur
   l'ecran par le programme cible.

Detailed Description
... data file. The generic
   recorder 8b is adapted to prevent this by allowing the FTF
    file 14 to specify a region of the screen that is to be
   ignored during screen...17
   subsequently ignores the screen change and exits at 384,
   FIG 20* Describes in more **detail** the **record**
   screen step 334 of C clock code at FIG, 15, This routine
   checks the type...

```
Set      Items    Description
S1         301    IMAGE()COPY
S2         676    DETAIL(1W)RECORD? ?
S3           0    SPILL(1W)RECORD? ?
S4         174    CADS OR CHANGE()ACCUMULAT?
S5           1    S1(S)S2:S4
```

5/5,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00963611   **Image available**
EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE INTERENTREPRISES A ELEMENTS MULTIPLES A ACCES INTERNET POUR SERVICES DE LOCATION DE VEHICULES

Patent Applicant/Assignee:
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    , US (Residence), US (Nationality), (For all designated states except:
    US)
Patent Applicant/Inventor:
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    , US (Residence), US (Nationality), (Designated only for: US)
  DE VALLANCE Kimberly Ann, 2037 Silent Spring Drive, Maryland Heights, MO
    63043, US, US (Residence), US (Nationality), (Designated only for: US)
  HASELHORST Randall Allan, 1016 Scenic Oats Court, Imperial, MO 63052, US,
    US (Residence), US (Nationality), (Designated only for: US)
  KENNEDY Craig Stephen, 9129 Meadowglen Lane, St. Louis, MO 63126, US, US
    (Residence), US (Nationality), (Designated only for: US)
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    (Residence), US (Nationality), (Designated only for: US)
  TINGLE William T, 17368 Hilltop Ridge Drive, Eureka, MO 63025, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KLOPFENSTEIN Anita K, 433 Schwarz Road, O'Fallon, IL 62269, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  HAFERKAMP Richard E (et al) (agent), Howell & Haferkamp, L.C., Suite
    1400, 7733 Forsyth Blvd., St. Louis, MO 63105-1817, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200297700 A2 20021205 (WO 0297700)
  Application: WO 2001US51431 20011019 (PCT/WO US0151431)
  Priority Application: US 2000694050 20001020
Parent Application/Grant:
  Related by Continuation to: US 2000694050 20001020 (CIP)
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
  KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU
  SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 237932

English Abstract

French Abstract
  La presente invention concerne un systeme informatique de transaction
  entre entreprises qui dans un mode de realisation prefere est destine a
  fournir des services de location de vehicules pour des utilisateurs a
  demande elevee comportant un portail de reseau Internet grace auquel
  l'utilisateur a demande elevee peut acceder a une pluralite de   .
  fournisseurs de services comportant un reseau informatique d'entreprise
  integre pour au moins un fournisseur de services de location de
  vehicules. Le reseau informatique de fournisseur de services de location
  de vehicules est configure pour l'interconnexion d'une pluralite de
  succursales de diversite geographique, presentant le catalogue de leurs
  vehicules de location disponibles et des programmes les concernant ainsi

que pour la gestion de toutes les donnees de transaction concernant son entreprise. Le portail de reseau Internet permet une connectivite et une transferabilite universelles pour une association d'entreprises a plusieurs niveaux qui placent regulierement des demandes elevees d'achat de location avec son associe commercial et egalement les autres fournisseurs de services qui peuvent ou non avoir le meme systeme et logiciel informatique d'entreprise integre. L'utilisation du procede et de l'appareil de la presente invention permet de placer, de grands volumes de transactions de location, de les controler, de les modifier en cours d'operation, et de les conclure avec des operations de comptabilite financiere et paiement pratiquement sans intervention humaine.

Fulltext Availability:
  Detailed Description
Detailed Description
... t system date.

APPROVAL CENTURY/YEARr APPROVAL MONTHI APPROVAL DAY.

@Complex Calculations.

BILLED DAILY TOTAL AMOUNT calculation.

1.) Attempt to retrieve the associated AMAUTD Authorization **Detail** file **record** for this Vendor Transaction ID to obtain the AUTHORIZED DAILY RATE, NUMBER OF DAYS AUTHORIZEDg MAXIMUM DAILY RATE COVERED,* POLICY MAXIMUM COVERED.. BILL-To PERCENT...

...equal to 1681 and return to caller program.

2.) If the NUMBER OF DAYS AUTHORIZED is greater than zero, then retrieve each associated AMIEBD Invoice **Detail** file **record** that has an ITEM CODE equal to 05 (Daily Rate Detail).

a.) For each record daily charge invoice **detail** **record** read, i -) Save the least of ITEM RATE (Rental Rate Charged),, AUTHORIZED DAILY RATE; MAXIMUM DAILY RATE ...Branch Reservations) , then call the Retrieve ARMS ECARS-Specific Profile File Record (AM202OV1) program to retrieve from the associated ARMS ECARS-Specific Profile File (ARMSPR5) **record** its flag field value for automatically generating underage driver approved surcharge authorizations (INSURANCE ...value is I YI (Yes) I then do the following.

a. Using the passed VENDOR TRANSACTION ID, retrieve the associated Authorization Detail f ile (AMAUTD) **record** . IF successful, derive (compute) the.

Set	Items	Description
S1	1706	DETAIL?(1W)RECORD? ?
S2	29	SPILL????(1W)RECORD? ?
S3	223165	CAD OR CADS OR CHANGE()ACCUMULAT?
S4	5264	(RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE-()INSTAT???)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5	8273	(BACKUP OR BACK??()UP OR ORIGINAL OR SAVED)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR COPY OR F-ILE? ? OR RECORD? ?)
S6	0	S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???-??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD-D??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S7	5	S1(10N)S5
S8	0	S1 AND S2
S9	3	S1 AND S3
S10	0	S2 AND S3
S11	185	S1:S3 AND S4:S5
S12	500	CADS OR CHANGE()ACCUMULAT?
S13	13	(S1:S2 OR S12) AND S4:S5
S14	16	S7 OR S9 OR S13
S15	13	RD (unique items)
S16	542	S5(10N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN?????? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR ADD??? OR INTEGRAT? OR INCORPORAT? OR JOIN??? OR UNIT???)
S17	32	S4 AND S16
S18	25	RD (unique items)
S19	24	S18 NOT PY=2001:2003

Set	Items	Description
S1	160	IMAGE()COPY
S2	145	DETAIL(1W)RECORD? ?
S3	20	SPILL(1W)RECORD? ?
S4	500	CADS OR CHANGE()ACCUMULAT?
S5	0	S1 AND S2:S4

19/5/1   (Item 1 from file: 8)

04383483   E.I. No: EIP96043140243
   Title: **Economical analysis for a hybrid data backup system**
   Author: Odagiri, Masanori; Dohi, Tadashi; Kaio, Naoto; Osaki, Shunji
   Corporate Source: Hiroshima Univ, Higashi-Hiroshima-shi, Jpn
   Source: IEICE Transactions on Fundamentals of Electronics, Communications
and Computer Sciences v E79-A n 1 Jan 1996. p 118-125
   Publication Year: 1996
   CODEN: IFESEX   ISSN: 0916-8508
   Language: English
   Document Type: JA; (Journal Article)   Treatment: A; (Applications); T;
(Theoretical)
   Journal Announcement: 9606W3
   Abstract: This article considers a hybrid data **backup** model for a **file**
 system, which **combines** both conventional magnetic disk (MD) and
write-once, read-many optical disk (OD). Since OD recently is a lower cost
medium as well as a longer life medium than the ordinary MD, this kind of
backup configuration is just recognized to be important. We mathematically
formulate the hybrid data backup model and obtain the closed-form average
cost rate when the system failure time and the recovery time follow
exponential distributions. Numerical calculations are carried out to obtain
the optimal backup policy, which is composed of two kinds of backup sizes
from the main memory to MD and from MD to OD and minimizes the average cost
rate. In numerical examples, the dependence of the optimal backup policy on
the failure and the recovery mechanism is examined. (Author abstract) 18
Refs.
   Descriptors: **Database** systems; Computer system **recovery** ; **File**
organization; Magnetic disk storage; Optical disk storage; Sensitivity
analysis; Information management; Numerical methods; Optimization; Costs
   Identifiers: Hybrid data backup system; Economical data backup size; File
management; Average cost rate
   Classification Codes:
   723.3 (Database Systems); 722.4   (Digital Computers & Systems); 722.1
(Data Storage, Equipment & Techniques); 723.2   (Data Processing); 921.6
(Numerical Methods); 912.2   (Management)
   723 (Computer Software); 722   (Computer Hardware); 921   (Applied
Mathematics); 912   (Industrial Engineering & Management)
   72 (COMPUTERS & DATA PROCESSING); 92   (ENGINEERING MATHEMATICS); 91
(ENGINEERING MANAGEMENT)

  19/5/2   (Item 2 from file: 8)

03571979   E.I. Monthly No: EIM9303-012092
   Title: **Mona Lisa symbolism uncovered by computer processing.**
   Author: Asmus, J. F.
   Corporate Source: Univ of California, San Diego, CA, USA
   Conference   Title: 1991   Annual   International   Metallographic   Society
Symposium
   Conference Location: Monterey, CA, USA   Conference Date: 19910729
   E.I. Conference No.: 17565
   Source: Materials Characterization v 29 n 2 Sep 1992. p 119-128
   Publication Year: 1992
   CODEN: MACHEX   ISSN: 1044-5803
   Language: English
   Document Type: JA; (Journal Article)   Treatment: A; (Applications); G;
(General Review)
   Journal Announcement: 9303
   Abstract: Through the ages the image of the Mona Lisa del Gioconda by
Leonardo da Vinci has receded beneath strata of discolored, crackled, and
soiled varnish as well as a web of cleavage within the paint layer. This
impedes esthetic appreciation as well as scholarly inspection of the piece.
Unfortunately, the physical condition of the painting is such that it will

not undergo cleaning and treatment very soon. Consequently, digital
computer image processing has been applied to the artwork to recover an
approximation of its original appearance and to bring out long-hidden
details. This was accomplished first by digitizing a high-quality
photograph of the composition to 6-million-pixel resolution and then
applying gain-bias modulation to the RGB image **files** to **recover** the
original varnish-free colors. The image restoration was completed through
removal of the craquelure by numerically intensive IBM 3090 processing of
the data in the large files of RGB data. Sequential application of
matched-FFT and blue/green bi-scatter filters yielded the final result.
Regional enhancement, local enhancement, and pseudo-color coding of the
restored image uncovered pentimenti as well as areas where the painting has
been modified. These indicate that at some point in the creation of the
piece, a necklace and additional mountains were present. Such
clarifications bring out a dramatic tension in the background, revealing a
metaphor of the human condition. (Author abstract) 17 Refs.
    Descriptors: *IMAGE RECONSTRUCTION; COMPUTER APPLICATIONS; COLOR
PHOTOGRAPHY; COLOR IMAGE PROCESSING; IMAGE ENHANCEMENT
    Identifiers: MONA LISA DEL GIOCONDA; DIGITAL COMPUTER IMAGE PROCESING;
PIXEL RESOLUTION; RGB IMAGE FILES; PSEUDOCOLOR CODING; REGIONAL ENHANCEMENT
    Classification Codes:
    741 (Optics & Optical Devices); 723 (Computer Software); 742 (Cameras
& Photography)
    74 (OPTICAL TECHNOLOGY); 72 (COMPUTERS & DATA PROCESSING)

   19/5/3   (Item 3 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
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02046372   E.I. Monthly No: EI8611106621   E.I. Yearly No: EI86021862
    Title: PERFORMANCE AND AVAILABILITY IN A NETWORK FILE SERVER.
    Author: Jackson, William A.; Rogers, Paul C.; Hearn, Robert J.; Mattiace,
Jeffrey S.
    Corporate Source: EDS Research, Dallas, TX, USA
    Source: IEEE Micro v 6 n 4 Aug 1986 p 18-34
    Publication Year: 1986
    CODEN: IEMIDZ   ISSN: 0272-1732
    Language: ENGLISH
    Document Type: JA; (Journal Article)   Treatment: G; (General Review); A;
(Applications)
    Journal Announcement: 8611
    Abstract: An implementation of a central file server for a local area
network-based hospital patient-care-information system is presented. The
authors discuss the results of a project to move a central file server
previously implemented on a 16-bit minicomputer to a current-generation
32-bit minicomputer. The motivation for this project was the need to
satisfy market pressures for increased system capabilities that exceeded
the capacity of the earlier-generation 16-bit host. The objectives of the
project were increased performance and increased system availability.
Topics discussed include performance features of the central file server
host microcomputer, disk caching, multitasking, locked memory pages, and
integrated performance monitoring. Improved availability features
discussed involve dual-imaged **files** , critical event logging, and **backup**
/ **restore** programs. 9 refs.
    Descriptors: *COMPUTER NETWORKS--*Performance; COMPUTERS, MICROCOMPUTER;
COMPUTER SYSTEMS PROGRAMMING--Multiprogramming; COMPUTERS, MINICOMPUTER;
DATA PROCESSING--Medical Information
    Identifiers: 32-BIT MINICOMPUTER; CRITICAL EVENT
    Classification Codes:
    723 (Computer Software); 716 (Radar, Radio & TV Electronic Equipment);
718 (Telephone & Line Communications); 462 (Medical Engineering &
Equipment); 721 (Computer Circuits & Logic Elements); 722 (Computer
Hardware)
    72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS); 46
 (BIOENGINEERING)

19/5/4   (Item 4 from file: 8)
DIALOG(R)File   8:Ei Compendex(R)
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01587157   E.I. Monthly No: EI8411115640   E.I. Yearly No: EI84032811
   Title: ON THE SELECTION OF EFFICIENT RECORD SEGMENTATIONS AND BACKUP
STRATEGIES FOR LARGE SHARED DATABASES.
   Author: March, Salvatore T.; Scudder, Gary D.
   Corporate Source: Univ of Minnesota, Dep of Management Sciences,
Minnesota, Minn, USA
   Source: ACM Transactions on Database Systems v 9 n 3 Sep 1984 p 409-438
   Publication Year: 1984
   CODEN: ATDSD3   ISSN: 0362-5915
   Language: ENGLISH
   Journal Announcement: 8411

   Abstract: The authors analyze the impacts of record segmentation (the
assignment of data items to segments defining subfiles), an
efficiency-oriented design technique, and of backup and recovery
strategies, a data protection technique, on the overall process of
database design. A combined **record** segmentation/ **backup** and **recovery**
procedure is presented and an application of the procedure is discussed.
Results in which problem characteristics are varied along three dimensions:
update frequencies, available types of access paths, and the predominant
type of data retrieval that must be supported by the database, are
presented. 35 refs.
   Descriptors: *DATABASE SYSTEMS
   Identifiers: RECORD SEGMENTATIONS; BACKUP STRATEGIES; LARGE SHARED
DATABASES
   Classification Codes:
   723 (Computer Software)
   72   (COMPUTERS & DATA PROCESSING)

19/5/5   (Item 1 from file: 202)
DIALOG(R)File 202:Info. Sci. & Tech. Abs.
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3102255
**Replicating a database by the sequential application of hierarchically
sorted log records.**
Author(s): Satoh, S; Takase, Y.
Patent Number(s): US 5530855
Publication Date: Jun 25, 1996
Language: English
Document Type: Patent
Record Type: Abstract
Journal Announcement: 3100

   A method and system are provided for continuously maintaining replicas of
an active database in a backup system for disaster **recovery** purposes.
Redo **records** transmitted from an active system are received into a
dataspace work area in a backup system memory. Redo records in the work
area for an uncommitted database transaction are grouped together. When a
transaction becomes a committed transaction, the redo records for the
transaction are sorted with redo records from other committed transactions
according to database, block number within a database, offset location
within a block, and sequence of occurrence. A plurality of update blocks
from a backup database are read into a buffer in the **backup** system
memory. The sorted redo **records** are sequentially **applied** to
corresponding data records in the update blocks. The update blocks are then
immediately written back to the database.

Descriptors: Archives; Database management systems; Databases; Disasters
Classification Codes and Description: 6.02 (Bibliographic Search Services,
   Databases); 5.01 (File Design, Building, and Updating); 5.07 (Storage)
Main Heading: Information Systems and Applications; Information Processing
   and Control

19/5/6   (Item 1 from file: 2)

5927618   INSPEC Abstract Number: C9807-6160B-006
 **Title: A   mobile   agent for asynchronous administration of multiple DBMS
servers**
 Author(s): Takahashi, H.; Kavalan, V.
 Conference Title: Proceedings of the IEEE Third International Workshop on
Systems Management (Cat. No.98EX161)   p.32-3
 Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
 Publication Date: 1998 Country of Publication: USA   viii+151 pp.
 ISBN: 0 8186 8476 3   Material Identity Number: XX98-01187
 U.S. Copyright Clearance Center Code: 0 8186 8476 3/98/$10.00
 Conference Title: Proceedings of the IEEE Third International Workshop on
Systems Management
 Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Distributed
Process.; IBM T.J. Watson Res. Center; Univ. Western Ontario
 Conference Date: 22-24 April 1998   Conference Location: Newport, RI,
USA
 Language: English   Document Type: Conference Paper (PA)
 Treatment: Practical (P)

Abstract: Informix-Enterprise Command Center   (IECC) is a graphical
systems management tool to administer Informix database servers (DBMS) in a
distributed network environment. It is designed to administer hundreds of
DBMSs across multiple geographic regions from multiple remote clients. DBMS
administrative tasks include such operations as start/stop DBMS, create new
spaces for database tables, **add** /delete user privileges, query a **database**
, **backup** / **restore** a **database** , etc., and can be repetitive in nature.
The administrator may create a task, run the task on a specific remote
server and wait for completion to see the results. However, when the tasks
are time consuming and hundreds of remote servers have to be administered,
synchronous monitoring for task completion is not practical. The
administrators need the ability to schedule a task to run at a specific
time on a set of remote servers in an unattended mode and to check the
results at a later time. IECC is a client-server application where there is
one stationary server administration agent per DBMS server and one or more
clients connect to each of the stationary agents. The clients communicate
with the stationary agents using CORBA. We first identify the limitations
of CORBA in supporting unattended, schedulable tasks on several remote
machines and then describe a mobile agent technology that overcomes those
problems. (5 Refs)
 Subfile: C
 Descriptors: client-server systems; distributed databases; network
operating systems; object-oriented methods; query processing; scheduling;
software agents; system monitoring
 Identifiers: mobile agent; asynchronous administration; multiple database
servers; Informix Enterprise Command Center; graphical systems management
tool; Informix database servers; multiple remote clients; start stop
database; database tables; query processing; remote server; synchronous
monitoring; scheduling; client-server application; stationary agents; CORBA
; remote machines
 Class Codes: C6160B (Distributed databases); C6150N (Distributed systems
software); C6110J (Object-oriented programming)

19/5/7   (Item 2 from file: 2)

5121702   INSPEC Abstract Number: C9601-6160D-003
 Title: Hot database backups on UNIX
 Author(s): Jones, E.
 Author Affiliation: Software Clearing House, Cincinnati, OH, USA
 Journal: Unix Review   vol.13, no.12   p.45-6, 48-50, 52-3
 Publication Date: Nov. 1995 Country of Publication: USA

Abstract: This article discusses the activities involved in hot backup of
UNIX relational database management systems, the factors to be considered
in designing an effective hot-backup and **recovery** plan, and the
challenges **database** administrators face when implementing hot backups. It
also includes the options for developing a hot-backup strategy (physical or
logical) and the selection of **backup** software products (**database** -vendor
supplied, third-party, or a **combination** of both). (0 Refs)
   Subfile: C
   Descriptors: back-up procedures; relational databases; security of data;
system recovery; Unix
   Identifiers: database backups; UNIX; hot backup; relational database
management systems; recovery plan; database administrators; backup software
products
   Class Codes: C6160D (Relational databases); C0310D (Computer installation
management); C6130S (Data security); C6150J (Operating systems)

   19/5/8   (Item 3 from file: 2)

04047176   INSPEC Abstract Number: C9201-5220-036
   Title: **Architectural support for reduced register saving/** restoring **in
single-window register** files
   Author(s): Huguet, M.; Lang, T.
   Author Affiliation: Fujitsu Espana SA, Barcelona, Spain
   Abstract: The use of registers in a processor reduces the data and
instruction memory traffic. Since this reductions is a significant factor
in the improvement of the program execution time, recent VLSI processors
have a large number of registers which can be used efficiently because of
the advances in compiler technology. However, since registers have to be
saved/restored across function calls, the corresponding register saving and
restoring (RSR) memory traffic can almost eliminate the overall reduction.
This traffic has been reduced by compiler optimizations and by providing
multiple-window register files. Although these multiple-window
architectures produce a large reduction in the RSR traffic, they have
several drawbacks which make the single-window file preferable. The authors
consider a combination of hardware support and compiler optimizations to
reduce the RSR traffic for a single-window register file, beyond the
reductions achieved by compiler optimizations along. Basically, this
hardware keeps track of the registers that are written during execution, so
that the number of registers saved is minimized. Moreover, hardware is
 added so that a register is **saved** in the activation **record** of the
function that uses it (instead of in the record of the current function);
in this way a register is restored only when it is needed, rather than
wholesale on procedure return. They present a register saving and restoring
policy that makes use of this hardware, discuss its implementation, and
evaluate the traffic reduction when the policy is combined with
intraprocedural and interprocedural compiler optimizations. On average for
the four general-purpose programs measured, the RSR traffic is reduced by
about 90 percent for a small register file (i.e. 32 registers), which
results in an overall data memory traffic reduction of about 15 percent. (
45 Refs)
   Subfile: C
   Descriptors: microprogramming; program compilers
   Identifiers: single-window register files; instruction memory traffic;
program execution time; VLSI processors; compiler technology;
multiple-window architectures; hardware support; RSR traffic

Class Codes: C5220 (Computer architecture); C6150C (Compilers, interpreters and other processors)

19/5/9   (Item 4 from file: 2)
DIALOG(R)File   2:INSPEC

01615695   INSPEC Abstract Number: C81002769
   Title: MODLI: software for the treatment of the linear model on a mini-computer
   Author(s): Kobilinsky, A.
   Author Affiliation: CNRA, Versailles, France
   Conference Title: COMPSTAT 1980. Proceedings in Computational Statistics p.167-73
   Editor(s): Barritt, M.M.; Wishart, D.
   Publisher: Physica-Verlag, Wien, Austria
   Publication Date: 1980 Country of Publication: Austria   632 pp.
   ISBN: 3 7908 0229 8
   Conference Date: 1980   Conference Location: Edinburgh, UK
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)
   Abstract: A Fortran program for the treatment of variance and covariance analysis on a minicomputer (32K words of 16 bits) is presented. It can treat a wide variety of fixed effect models and is very well adapted to covariance analysis. The number of parameters accepted is unlimited as well as the number of variates when sums of products are required for a further MANOVA. Partial results are **saved** a **file** and can be easily **recovered** . Submodules can be easily **integrated** in other Fortran software. (3 Refs)
   Subfile: C
   Descriptors: statistical analysis
   Identifiers: MODLI; linear model; Fortran; variance; covariance; minicomputer; MANOVA
   Class Codes: C1140Z (Other and miscellaneous); C7310 (Mathematics)

19/5/10   (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00614899   00WK11-212
   MSPs seek partners and widen scope -- Some providers move into security and content delivery as a way to expand services
   Greenemeier, Larry
   Information Week , November 20, 2000 , n813 p137, 1 Page(s)
   ISSN: 8750-6874
   Company Name: Coradiant; Telenisus; SiteSmith
   Languages: English
   Document Type: Articles, News & Columns
   Geographic Location: United States
   Reports that management services providers (MSPs) Coradiant Inc., Telenisus Corp., and SiteSmith Inc. are partnering with hardware, software, and Internet service providers (ISPs) to diversify into backup, security, and content delivery. Says that Coradiant has launched its OutSmart suite of managed network services and announced $20 million in venture-capital funding from Doll Capital Management and Sandlot Capital. Mentions that Telenisus is developing a managed virtual private network service with partners Check Point Software Technologies Ltd. and Intrusion.com. Expl that SiteSmith Inc. has **added** data and **file backup** , storage, and **recovery** to its offerings. Indicates that MSPs cut across ne access, infrastructure, applications, storage, and security services. Includes a sidebar. (MEM)
   Descriptors: Corporate Alliances; Management; Backup; Security; Internet Service Providers; Outsourcing
   Identifiers: Coradiant; Telenisus; SiteSmith

19/5/11   (Item 2 from file: 233)

00490272   98NC03-106
Desktop backups grow well on Stac's Sequoia
Milne, Jay
Network Computing , March 15, 1998 , v9 n5 p48, 1 Page(s)
ISSN: 1046-4468
Company Name: Stac
URL: http://www.stac.com
Product Name: Replica Sequoia Technology for Desktop Backup
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): B
Hardware/Software Compatibility: IBM PC Compatible
Geographic Location: United States
Presents a favorable review of Replica Sequoia Technology for Desktop
Backup ($500), a client backup system requiring no administrator
intervention from Stac (800). Says although the test version only supported
Windows 95 clients and had a rudimentary server administration interface,
it **backed up** and **restored files** with ease. **Adds** it provides a
strong solution for end-user backups, but does not have many of the
features that enterprise solutions demand, like integrated facilities for
archival to tape. Says since Sequoia uses the server's hard disk at the
data repository, the user does not have to purchase or install tape drives
or other traditional backup media, and it incorporates three compression
facilities that enable faster and more efficient backups. Concludes the
Microsoft Management Console (MMC) will ship with Sequoia. Contains one
screen display. (EB)
    Descriptors: Backup; Software Evaluation; Data Structures
    Identifiers: Replica Sequoia Technology for Desktop Backup; Stac

 19/5/12   **(Item 3 from file: 233)**

00478649   97DW11-005
**Create Web pages with impact -- NetImpact Dynamo can speed up the
process of creating and managing dynamic Web sites**
Ball, Derek
Databased Web Advisor , November 1, 1997 , v15 n11 p36-41, 6 Page(s)
Company Name: Sybase
URL: http://www.sybase.com
Product Name: NetImpact Dynamo
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): B
Hardware/Software Compatibility: IBM PC Compatible
Geographic Location: United States
Presents a favorable review of NetImpact Dynamo ($NA), a Web site
development tool from Sybase Inc. of Emeryville, CA (800, 510). Says it
stores an entire Web site in a relational **database** to simplify site
backup , recovery , and administration. **Adds** that it provides easy page
generation with database connectivity, allows mobile users to have their
own mini-intranet running on their laptop, includes a scripting language
for server-side execution, and comes with wizards for creating dynamic
templates. However, says it has a poor HTML editor, and may cause speed
issues in heavily loaded sites. Calls it a useful tool. Includes three
screen displays, a summary card, and a report card. (dpm)
    Descriptors: Web Page Authoring; Template; Web Management; Data Base
Management; Intranets; Programming Aids; Wizards
    Identifiers: NetImpact Dynamo; Sybase

 19/5/13   **(Item 4 from file: 233)**

00469079   97NC08-007
HSM solutions: what's in store for your data?
Anderson, Ron
Network Computing , August 1, 1997 , v8 n14 p104-110, 6 Page(s)
ISSN: 1046-4468
Languages: English
Document Type: Buyer and Vendor Guide
Geographic Location: United States
Presents a buyers' guide to Comprehensive Hierarchical Storage Management (HSM) software. Features a table comparing 36 products from 28 manufacturers on model, list price, platforms, secondary and tertiary devices used, whether or not it is **integrated** with backup/ **restore** system that does not denigrate **files** during full system **backup** , text search application, client platforms for text search applications, file migration from client machines and servers supported, client platforms that support file migration, the ability to write migrated files to multiple devices, heterogeneous concurrent storage management, and GUI-based management interface. Concludes that ``HSM products have always had a lot of potential. The latest generation of HSM products may have what it takes to move this potential into production.'' Includes one sidebar. (phi)
    Descriptors: File Management; Software Review; Information Storage; Client-Server Computing

 19/5/14   (Item 5 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00453608   97IW03-012
Despite glowing reports, Replica 3.0 Intranetwork Edition suffers from stability woes
Avery, Mike
InfoWorld , March 3, 1997 , v19 n9 pN5, N8, 2 Page(s)
ISSN: 0199-6649
Company Name: Stac
Product Name: Replica 3.0 Intranetwork Edition
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): F
Hardware/Software Compatibility: IBM PC Compatible
Geographic Location: United States
Presents a very unfavorable review of Replica 3.0 Intranetwork Edition ($899 per tape server), a tape backup program from Stac Inc. of San Diego, CA (619). Says it provides fast backups and easy restores. **Adds** that it allows users to **recover** their own **files** , and can **back up** other servers. However, says it has unsatisfactory system dependencies, and exhibits annoying instabilities. Calls it inexpensive and unsatisfactory. Rated one out of five points. Includes two screen displays and a report card. (dpm)
    Descriptors: Backup; Software Review; Network Management; Utility Program
    Identifiers: Replica 3.0 Intranetwork Edition; Stac

 19/5/15   (Item 6 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00420332   96PW04-016
A backup program to avoid
Spector, Lincoln
PC World , April 1, 1996 , v14 n4 p80, 1 Page(s)
ISSN: 0737-8939
Company Name: NovaStor
Product Name: NovaBack for Windows 95
Languages: English
Document Type: Software Review

Grade (of Product Reviewed): F
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
95
Geographic Location: United States
Presents a very unfavorable review of NovaBack for Windows 95 ($99), a
backup program from NovaStor (805). This utility program offers an optional
DOS-based restore program which may be used to avoid having to reinstall
Windows 95 before a backup program can be launched. The program makes use
of a little-known Windows utility, lfnbk.exe, which **adds** long **file**
names into a **backup** that DOS comprehends, but in testing the reviewer
found that NovaBack renamed numerous files and folders and the hard drive
so that several programs couldn't find their support **files** . Though the
ability to **restore** from DOS seems appealing, this program is confusing
and difficult to use, and the ability to specify compression levels (which
is mentioned in the documentation) is missing in the actual product. It
``makes Windows 95's own backup program look good.'' (djd)
    Descriptors: Backup; Utility Program; Software Review; Window
Software
    Identifiers: NovaBack for Windows 95; NovaStor

 19/5/16   (Item 7 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00382367   95IWO4-317
    Easy-CD BackUp spins past tape backup limitations
    Heck, Mike
    InfoWorld , April 24, 1995 , v17 n17 p122, 1 Page(s)
    ISSN: 0199-6649
    Company Name: Incat Systems Software
    Product Name: Easy-CD BackUp
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): A
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
    Geographic Location: United States
    Presents a very favorable review of Easy-CD BackUp Version 1.1 ($249),
Windows CD backup from Incat Systems Software USA Inc. of Campbell, CA
(800, 408). Says it supports all CD recorders on the market. **Add** that it
can selectively **back   up   files** and directories, making incremental
backups containing just those files that have changed from the last
session. States that it can **restore   files** to any location and it
maintains file attributes. Notes that it is not suitable for gigabyte-scale
backups, such as in a local area network environment because it won't span
a backup across multiple CDs. Concludes that ``for appropriate situations,
such as backing up selected local information, Easy-CD BackUp worked fast
and required little effort.'' Includes one screen display and one product
summary. (LDS)
    Descriptors: Backup; CD-ROM; Recorder; Window Software; Software
Review
    Identifiers: Easy-CD BackUp; Incat Systems Software

 19/5/17   (Item 8 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00379194   95NC03-010
    Avail NetSpace v3.0
    Gerber, Barry
    Network Computing , March 1, 1995 , v6 n3 p70, 72, 2 Page(s)
    ISSN: 1046-4468
    Company Name: Avail Systems
    Product Name: NetSpace
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): A

Hardware/Software Compatibility: IBM PC Compatible; NetWare
Geographic Location: United States
    Presents a very favorable review of NetSpace v3.0 ($2,749), hierarchical
storage management software from Avail Systems of Boulder, CO (800, 303).
Says it uses a dedicated storage server to connect to secondary and
tertiary HSM software, can provide HSM services for multiple servers, can
significantly improve HSM performance with its use of a hard disk as the
first stage storage medium, **integrates** HSM and **backup** services,
protects migrated **files** with a special tape **unit** , and includes a text
 file explaining the steps required to **recover** from a variety of
disasters. However, says it has a minor security problem, requires a
dedicated NetWare server for the main HSM server, and does not permit the
distribution of HSM devices over multiple servers. Rated A+ and given the
Honorable Mention award. Includes a photo and a diagram. (dpm)
    Descriptors: Hierarchical Storage Management; Local Area Networks;
 Mass Storage; Network Management; Software Review; Backup
    Identifiers: NetSpace; Avail Systems

19/5/18   (Item 9 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00375111   95WN02-018
    Find the missing links: CrossTies 2.0 and CrossTies for Workgroups 2.0
    Powell, James E
    Windows Magazine , February 1, 1995 , v6 n1 p156, 1 Page(s)
    ISSN: 1060-1066
    Company Name: CrossTies Software
    Product Name: CrossTies; CrossTies for Workgroups
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): B;   B
    Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows
    Geographic Location: United States
    Presents a favorable review of CrossTies v2.0 ($149), and CrossTies for
Workgroups v2.0 ($299), personal information managers from CrossTies
Software Corp. (800, 214). Run on IBM PC compatibles with 4MB RAM, 4MB hard
disk space, and Windows. Explains that CrossTies allows entering different
types of information, then linking the pieces with logical connections
without having to enter the data again. Notes that CrossTies treats
everything as an object, and provides user-defined fields for an object.
Features include a spell checker, a date/time stamper, an automatic
 database **backup** and **restore** facility, and improved search
capabilities. **Adds** that CrossTies for Workgroups also has information
sharing through the Novell Mail Handling System, Microsoft Mail, or Lotus
cc:Mail, or by its built-in e-mail system. Concludes that CrossTies has the
power and flexibility to relate information as it is in the real world.
Includes one screen display and a product summary. (jo)
    Descriptors: Personal Information Manager; Workgroup Computing;
 Electronic Mail; Window Software; Software Review
    Identifiers: CrossTies; CrossTies for Workgroups; CrossTies Software

19/5/19   (Item 10 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00307847   93II03-005
    Universe Master v1.0
    McNeight, Neil
    II Alive , March 1, 1993 , v1 n1 p48, 1 Page(s)
    Company Name: Econ Technologies
    Product Name: Universe Master
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): B
    Hardware/Software Compatibility: Apple II

Geographic Location: United States
    TEST DRIVES presents a favorable review of Universe Master v1.0 ($169), an Apple IIGS-specific hard drive utility featuring backup and **file recovery** (with optimization coming in free v1.1 update), from Econ Technologies of Winter Springs, FL. Requires an Apple IIGS; System 6 or later; 1.5MB RAM; and a 3.5'' drive (hard drive recommended). Notes that the program is not copy-protected and is hard drive installable. Says that Universe Master is a sophisticated hard drive utility that **combines** the ability to **back up files** , **recover files** , and optimize your hard drive. Notes that it is not a program launcher. Includes a very well written tutorial in an organized manual which reviewer highly recommends. Makes note of a few minor problems observed during testing but states that no major problems were observed. Awards overall score of seven on a one to ten scale. Contains one photo. (HHW)
    Descriptors: Utility Program;   Backup; Security; Optimization; Software Review; Apple II
    Identifiers: Universe Master; Econ Technologies

    19/5/20   (Item 11 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00251399   91PX10-022
    Magellan 2.0
    Vovcsko, Jerry
    PCM , October 1, 1991 , v9 n4 p88, 1 Page(s)
    ISSN: 0747-0460
    Company Name: Lotus Development
    Product Name: Magellan
    Languages: English
    Document Type: Software Review
    Grade (of Product Reviewed): a
    Geographic Location: United States
    Presents a very favorable review of Magellan 2.0 (\$139), a file retrieval utility from Lotus Development Corp., Cambridge, MA (617). The program requires 512K RAM, a hard disk, and DOS 2.1 or later. The program can search a hard disk's contents for files containing a specified search string. Files found are displayed in a split screen, with file names on the left side together with a probability rating indicating how closely the text matches the search string and the first few lines of the file whose name is under the cursor displayed on the right side. Files whose contents are of interest can be copied to an ASCII file and the filenames can continue to be browsed. The program allows viewing a large number of file types in their native format, and this release now **incorporates** file compression, support for a mouse, undelete, **backup** and **restore** , and a **file** or directory comparison utility. (djd)
    Descriptors: Information Retrieval; Software Review
    Identifiers: Magellan; Lotus Development

    19/5/21   (Item 12 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00240156   91IW05-253
    Network Archivist Version 1.8c
    InfoWorld , May 20, 1991 , v13 n20 p129, 133+, 3 Pages
    ISSN: 0199-6649
    Languages: English
    Document Type: Hardware Review
    Grade (of Product Reviewed): A
    Hardware/Software Compatibility: IBM PC XT;   IBM PC XT Compatible; Netware
    Geographic Location: United States
    Presents a very favorable review of The Network Archivist v. 1.8c ($6,985), a 4mm DAT drive for network backup from Palindrome of Naperville, IL (708). Runs on an IBM PC XT or compatible with DOS 2.0 or later, 640K of

RAM, a hard disk, a free expansion slot, and Novell NetWare 286 or 386. Says it is the best of the drives evaluated because of its unique **database** handling of **backup** , archiving, and **restore** chores, and its **combination** of backup drive and software that almost completely automates network backup; and it is fairly fast and has generous support policies. Rated 7.6 overall. Includes one photo, ratings in 10 categories, and a product summary. (jb)
   Descriptors: Backup; Tape Drive; Networks; Hardware Review; Digital Audio
   Identifiers: Network Archivist, The; Palindrome

   19/5/22   (Item 13 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00238656   91MU04-039
   MacTel Index 40MB
   Rosch, Winn L
   MacUser , April 1, 1991 , v7 n4 pbg30, 1 Pages
   ISSN: 0884-0997
   Languages: English
   Document Type: Hardware Review
   Grade (of Product Reviewed): b
   Hardware/Software Compatibility: Macintosh
   Geographic Location: United States
   Presents a favorable review of the MacTel Index 40MB ($439), an external hard disk drive for the Macintosh from MacTel Technology, Austin, TX (800, 512). The drive is based on a Quantum P40S mechanism and in testing achieved an average seek time of 21 ms. It is bundled with Backmatic 1.1, AutoSave II, and 14MB of shareware and offers partitioning, password protection, data encryption, **backup** , and **file recovery** capabilities. It is a low profile **unit** which is solidly built and provides two unswitched AC outlets. (djd)
   Descriptors: Hard Disk Drive; Disk Drive; Hardware Review
   Identifiers: MacTel Index 40MB; MacTel Technology

   19/5/23   (Item 14 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00206821   89PI12-145
   Irwin 2040, Irwin 2080
   Rosch, Winn L
   PC Magazine , December 26, 1989 , v8 n22 p210, 214, 2 Pages
   ISSN: 0888-8507
   Languages: English
   Document Type: Hardware Reviews
   Grade (of Product Reviewed): b
   Hardware/Software Compatibility: IBM PC Compatible
   Geographic Location: United States
   Presents a favorable review of the Irwin 2040 ($699) and Irwin 2080 ($849), two tape cartridge backup systems from Irwin Product Group, Ann Arbor, MI (800, 313). The drives requires 512K RAM and DOS 2.0 or later. They employ a proprietary tape format and are available in internal or external configurations. The **units** come with backup software which allows **file** -by- **file** backups and **restores** and provides automatic backup scheduling. No image mode is available. One negative aspect of the software is the fact that it does not indicate how far backup has progressed, as it lists only the file being processed. Additionally, when changing tapes during a large restore an additional command menu appeared. Calls the drives ``friendly and fast file-savers.'' Includes one photo. (djd)
   Descriptors: Tape Drive; Backup; Hardware Review
   Identifiers: Irwin 2040; Irwin 2080; Irwin Product Group

1667018 NTIS Accession Number: ED-343 549
   Chapter 1 Information Management Program. User's Guide
   Chapter 1 Technical Assistance Center, Denver, CO. Region E.; RMC
Research Corp., Denver, CO.
   Corp. Source Codes: 888888888
   Sponsor: Office of Elementary and Secondary Education (ED), Washington,
DC. Compensatory Education Programs.
   Report No.: TAC-B-150
   Oct 90   107p
   Languages: English
   Journal Announcement: GRAI9220
   Available from ERIC Document Reproduction Service (Computer Microfilm
International Corporation), 3900 Wheeler Ave., Alexandria, VA 22304-5110.
   NTIS Prices: Not available NTIS
   Country of Publication: United States
   The first of seven chapters in this guide for users of the Chapter 1
Information Management Program (CHIMP) provides an introduction to the
program, which was designed to help school districts maintain data and
produce reports used in the evaluation of Chapter 1 programs. It is noted
that these reports are useful for meeting state and federal reporting
requirements, and the types of reports are listed. They cover: student
participation counts, annual evaluation achievement information; sustained
effect studies, list of students not showing progress for two years,
aggregate gains by school, and Chapter 1 staff and full time equivalents.
Hardware requirements, instructions for software installation, and
instructions for updating an existing CHIMP system are also provided. The
remaining chapters include: (1) Getting Started with CHIMP (README file,
initial set-up, and getting organized); (2) An Overview of CHIMP (main
menu, student information, district information, reports, utilities); (3)
Adding and Editing Data (district information, student information); (4)
Reports (pull-down menu, pull-down menu with subcategory, selection
criteria screens for personal information, student services, test results);
(5) Utilities (change program name, delete marked records, change birth
field format, reconstruct index files, delete old records, change ID/index,
 merge files , import ASCII **files** , **restore backup files** , delete
all **records** , filter student files, global edits, append service records,
printer setup, display addresses); and (6) Technical Information (using
CHIMP with multiple school districts, expanded memory, extended memory,
trouble shooting, validity checks, technical specifications). Management
data entry forms and sample reports are appended. (DB).
   Descriptors: *Computer managed instruction; *Computer software;
*Educational administration; *Information management; *Recordkeeping;
Elementary secondary education; Information storage; School districts;
Student records; Worksheets
   Identifiers: *Education Consolidation Improvement Act Chapter 1;
NTISHEWERI
   Section Headings: 92D (Behavior and Society--Education, Law, and
Humanities); 70C (Administration and Management--Management Information
Systems)
?

File 275:Gale Group Computer DB(TM) 1983-2003/Jul 24
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Set   Items   Description
S1   10893   DETAIL?(1W)RECORD? ?
S2   80   SPILL????(1W)RECORD? ?
S3   214309   CAD OR CADS OR CHANGE()ACCUMULAT?
S4   36045   (RECOVER??? OR RESTOR??? OR RESTORATION OR REINSTAT? OR RE-
                  ()INSTAT???)(5N)(DATABASE? ? OR DATA()BASE? ? OR REPOSITOR???
                  OR DATA()STORE OR FILE? ? OR RECORD? ?)
S5   86900   (BACKUP OR BACK??()UP OR ORIGINAL OR SAVED)(5N)(DATABASE? ?
                  OR DATA()BASE? ? OR REPOSITOR??? OR DATA()STORE OR COPY OR F-
                  ILE? ? OR RECORD? ?)
S6   13   S1(5N)S5(5N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN???-
                  ??? OR COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR AD-
                  D??? OR INTEGRAT? OR INCORPORAT? OR INCLUD??? OR JOIN??? OR U-
                  NIT???)
S7   7   RD (unique items)
S8   39   S1(10N)S5
S9   30   RD (unique items)
S10   20   S9 NOT (S7 OR PD>20000410)
S11   4   S1 AND S2
S12   1   RD (unique items)
S13   23   S1(S)S3
S14   0   S2(S)S3
S15   13   RD S13 (unique items)
S16   5197   DETAIL(1W)RECORD? ?
S17   756   CADS OR CHANGE()ACCUMULAT???
S18   37   (S2 OR S16:S17)(S)S4:S5
S19   26   RD (unique items)
S20   362   IMAGE()COPY
S21   99   S4:S5(S)S20 OR S4:S5(100N)S20
S22   68   RD (unique items)
S23   51   S22 NOT (PD>20000410 OR S19)
S24   16   (S2 OR S16:S17) AND S20
S25   8   RD (unique items)
S26   15213   S5(10N)(APPLY??? OR APPLIE? ? OR MERG??? OR COMBIN?????? OR
                  COMPOSIT? OR AGGREGAT? OR POOL??? OR CONSOLIDAT? OR ADD??? OR

```
            INTEGRAT? OR INCORPORAT? OR INCLUD??? OR JOIN??? OR UNIT???)
S27      2205   S4(S)S26
```

10/3,K/1   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01937391   SUPPLIER NUMBER: 18226264   (USE FORMAT 7 OR 9 FOR FULL TEXT)
How to survive the aftermath of computer crime. (disaster recovery plans)
   (Industry Trend or Event)
Lambeth, Jonathan
Computer Weekly, p17(1)
April 4, 1996
ISSN: 0010-4787   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1037   LINE COUNT: 00083

...   your physical security and strengthen it immediately."
     RELATED ARTICLE: Things you may wish you had done:
     * Had a contingency plan.
     * Kept copies of all your **original** software somewhere safe.
     * Kept **detailed   records** of your system configurations; replacing
your hardware means starting from scratch.
     * Run regular back-ups of data and tested them....
     * ....and trained a\n appropriate...

 10/3,K/2   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01889550   SUPPLIER NUMBER: 17983900   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Taking account of your business: WINLine sticks to the bottom line.
   (SourceMate Information Systems' Visual AccountMate and Mesonic USA's
   WINLine 95 accounting software packages) (Software Review)(Evaluation)
Ivens, Kathy
Windows Sources, v4, n2, p86(2)
Feb, 1996
DOCUMENT TYPE: Evaluation   ISSN: 1065-9641   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1198   LINE COUNT: 00105

...   businesses that deal with international currency. We found it easy
 to define exchange rates.
     The program converted every transaction to U.S. currency and stored
detailed   records on the **original** currency. The system can even report
in a number of languages so you can send reports to your foreign customers
and vendors.
     Although not as...

 10/3,K/3   (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01626984   SUPPLIER NUMBER: 14620315   (USE FORMAT 7 OR 9 FOR FULL TEXT)
AceFile 2.0. (Ace Software Corp.) (Software Review) (one of six evaluations
   of non-programmable database management systems for Microsoft Windows in
   'The No-Code Approach to Data Management') (Evaluation)
Simon, Barry
Windows Sources, v1, n11, p242(3)
Dec, 1993
DOCUMENT TYPE: Evaluation   ISSN: 1065-9641   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 637   LINE COUNT: 00054

...   summed data for total sales, number of customers, and number of
transactions in columns--all of which are derived from the information
stored in individual **detail** -level **records** .
     AceFile lets you load **saved** view sets, which can comprise screen
forms, list displays, and crosstab views. List and form views are linked so
that as you change the highlighted...

10/3,K/4   (Item 4 from file: 275)

01446493   SUPPLIER NUMBER: 10819322   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Phone-bill management: are you paying for your telecom vendor's golf
   outings? (includes related article on alternative high-tech billing
   formats)**
Snouffer, Guy; Fisher, Scott
Teleconnect, v9, n6, p102(2)
June, 1991
ISSN: 0740-9354   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 651   LINE COUNT: 00053

...   Track billing problems. Keeps your records organized with the
billing information.
      If you are going to perform any serious auditing of bills, you must
have **detailed   records** to **back   up** your claims.

10/3,K/5   (Item 5 from file: 275)

01417508   SUPPLIER NUMBER: 09390936   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sold on Comdial's new DigiTech: the stuff dreams are made of. (Hardware
   Review) (evaluation)**
Luhmann, Rick
Teleconnect, v9, n1, p148(7)
Jan, 1991
DOCUMENT TYPE: evaluation   ISSN: 0740-9354   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3518   LINE COUNT: 00257

...   the old software cartridge for the new one), not all of the bits
and bytes running around the system are stored there.
      All station message **detail   records** (SMDR) are **saved** to the
software cartridge. It's the one bit of real-time data I can't afford to
lose if the KSU loses everything else...

10/3,K/6   (Item 6 from file: 275)

01103274   SUPPLIER NUMBER: 00570376   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC-STOR 52: A Cure for Hard Disk Fever.
Rosch, W.L.
PC Magazine, v3, n18, p118-123
Sept. 18, 1984
DOCUMENT TYPE: evaluaton   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3624   LINE COUNT: 00264

...   a TLINK.AFT program to access the cartridge subsystem through
BASIC.
      Alloy makes keeping track of your backups easy. You can print out a
hard **copy** of every **backup** batch job for an explicity **detailed** printed
record of what is **saved** where.
      Although it uses a standard cartridge that looks, feels, and smells
like streaming tape, the Alloy PC-STOR 52 does not function exactly like...

10/3,K/7   (Item 1 from file: 16)

05921999   Supplier Number: 53157209   (USE FORMAT 7 FOR FULLTEXT)
Enterprise Backup Applications Make Backing Up Not So Very Hard To Do.(Software Review)(Evaluation)
Harvey, David A.
Network Computing, p106(1)
Nov 1, 1998
Language: English   Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Trade
Word Count: 5041

...   back up Win95 systems; and provides application agents to enable online backup of Exchange and SQL Server.
      However, UltraBac lacks sophistication when it comes to **detailed database records** of backups. Its **backup - file** -selection tools are quite basic, and it doesn't offer support for complex repeating backup strategies, such as the standard GFS (Grandfather-Father-Son) rotation...

   10/3,K/8   (Item 2 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02865161   Supplier Number: 43859690   (USE FORMAT 7 FOR FULLTEXT)
Still Flying at Forty
Flight International, p33
May 26, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1458

...   usually different individual airframes - in flight cycles, hours flown and age relative to the current design life. The biographical section, starting on Page 36, provides **original** design-life **details** and **records** fleet leaders in age, hours and cycles.
      Current utilisation in the most recent 12 months of ARS data is given for the examples of each...

   10/3,K/9   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08126813   SUPPLIER NUMBER: 15110963   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Noblesse oblige. (Czech royalty)
Berman, Phyllis
Forbes, v153, n9, p96(3)
April 25, 1994
ISSN: 0015-6914   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1289   LINE COUNT: 00102

...   from a roomful of antique antlers to elaborate bridles and saddles.
      Thugs the communist rulers may have been, but they were methodical thugs. They kept **detailed records** of the **original** ownership of all the property they confiscated. This makes tracing scattered items somewhat easier.
      Unpaid advisers have helped the family set up a trust called...

   10/3,K/10   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07266216   SUPPLIER NUMBER: 15207429   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Productive partnerships. (between cellular service operators and cellular software developers)
Snavely, David

Cellular Business, v11, n5, p82(1)
May, 1994
ISSN: 0741-6520   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1159   LINE COUNT: 00091

...   items, and that performance pegs are calculated the same way.
     Make sure that the billing system will be ready to read any change in
call **detail   records** . Discuss a **backup** procedure to ensure that the
old operating software can be restored if there is any trouble.
     * Testing: A series of lab and field tests follows...

 10/3,K/11   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06783468   SUPPLIER NUMBER: 14836231   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Excelreport. (Software Review) (Computers & Accounting) (Evaluation)
Barth, Claire
Management Accounting (USA), v75, n6, p63(2)
Dec, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0025-1690   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1287   LINE COUNT: 00106

...   A+ to F.
     Details behind any grade can be reviewed and analyzed using
SouthWare's zoom feature to move back step by step to the **original** entry.
Searches for "exception" **detail   records** based on grades or statistics
furnish management with an individual analysis of those items making up the
summary grade. The old adage that "what gets...

 10/3,K/12   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06465211   SUPPLIER NUMBER: 13892499   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Still flying at forty. (examination of ageing airliner fleet; includes
   related article) (Cover Story)**
Goold, Ian
Flight International, v143, n4371, p33(8)
May 26, 1993
DOCUMENT TYPE: Cover Story   ISSN: 0015-3710   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 2859   LINE COUNT: 00405

...   usually different individual airframes - in flight cycles, hours
flown and age relative to the current design life. The biographical
section, starting on Page 36, provides **original** design- life **details**
and **records** fleet leaders in age, hours and cycles.
     Current utilisation in the most recent 12 months of ARS data is given
for the examples of each...

 10/3,K/13   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06161981   SUPPLIER NUMBER: 12926667   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Milestones in Elkhart. (Elkhart, Indiana)(includes related articles)
Kurowski, Jeff
Indiana Business Magazine, v36, n11, p8(5)
Nov, 1992
ISSN: 0273-7930   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2995   LINE COUNT: 00231

...   believe that the nervous system exerted much more influence on

disease, both acute and chronic, than was usually supposed. He had begun a series of **original** investigations and subsequently kept **detailed records** on as many as 30,000 cases in an effort to substantiate his theories.

The newly settled physician moved his office from Chicago to Elkhart ...

10/3,K/14   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05424343   SUPPLIER NUMBER: 11106041   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Audit rights in an outsource environment. (includes related articles on advantages and disadvantages of outsourcing)
Friedberg, Alan H.; Yarberry, William A., Jr.
Internal Auditor, v48, n4, p53(7)
August, 1991
ISSN: 0020-5745   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2008   LINE COUNT: 00167

...   with vendors to enable the internal auditor to verify billing data and practices, quality of goods and services offered, and general contractual compliance. Access to **detailed   records** of **original** entry data in an EDP environment(1) is a requirement for internal audit departments; and although this article focuses on audit rights in an EDP...

10/3,K/15   (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

04148372   SUPPLIER NUMBER: 08122027   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Litigation audits as part of a records management program.
Rea, Kelley V.
Records Management Quarterly, v23, n4, p22(4)
Oct, 1989
ISSN: 1050-2343   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2320   LINE COUNT: 00190

...   at the business and at executives' homes, in "personal" files. "Destroy after reading" letters were kept. Several conversations and meetings among competitors were recorded and **saved** . **Detailed** written **records** were made of the price adjustments adopted after the meetings and conversations among the competitors.)

This is a prosecutor's dream file. The worst type...

10/3,K/16   (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

0000758
Washington Observer
Engineering News-Record   January 31, 1985; Pg 7; Vol. 214, No. 5
Journal Code: ENR   ISSN: 0013-807X
Section Heading: Washington Observer
Word Count: 620   *Full text available in Formats 5, 7 and 9*

TEXT:
... new ruling that would impose rigid record-keeping requirements for pickup trucks, vans and four-wheel drive vehicles used both for work and privately.

The **original** regulation required **detailed   record** keeping as of Jan. 1 and caused a storm of protest. One construction association official called it "the number one issue." At first, the rule...

10/3,K/17   (Item 1 from file: 15)

00960930 96-10323
Agreements help make the practice
Norris, David B
Journal of Management Consulting v8n2 PP: 33-38 Fall 1994
ISSN: 0168-7778 JRNL CODE: JCS
WORD COUNT: 2132

...TEXT: each weekend.

Invoices

Invoices are rendered as defined in the proposal. The invoice usually shows
just two line items--professional fees and expenses. A detailed **backup** is
usually attached. **Detailed records** of time and expenses are available
for audit in the consultant's office. Payment is expected upon presentation
of the invoice, unless prior arrangements are...

10/3,K/18   (Item 2 from file: 15)

00794366 94-43758
ExcelReport
Mullins, Barbara J
Management Accounting v75n6 PP: 63-64 Dec 1993
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 1210

...TEXT: Figure 1 omitted)

Details behind any grade can be reviewed and analyzed using SouthWare's
zoom feature to move back step by step to the **original** entry. Searches
for "exception" **detail records** based on grades or statistics furnish
management with an individual analysis of those items making up the summary
grade. The old adage that "what gets...

10/3,K/19   (Item 3 from file: 15)

00728728 93-77949
**The Ongoing Experiment with "Regulation from Below": Expanded Reporting
Requirements for HMDA and CRA**
Fishbein, Allen J.
Housing Policy Debate v3n2 PP: 601-636 1992
ISSN: 1051-1482 JRNL CODE: HPD
WORD COUNT: 12412

...TEXT: loan information has been used to rank the performances of
individual lending institutions (Bradford and Schersten 1985).

Over the years, HMDA usage expanded beyond its **original** community base.
Although **detailed record** -keeping of usage does not exist, surveys have
found that state and local government agencies, the news media, banking
regulators, and financial institutions have requested...

10/3,K/20   (Item 1 from file: 647)

...   back up Win95 systems; and provides application agents to enable
online backup of Exchange and SQL Server.

 However, UltraBac lacks sophistication when it comes to **detailed
database   records** of backups. Its **backup - file** -selection tools are
quite basic, and it doesn't offer support for complex repeating backup
strategies, such as the standard GFS (Grandfather-Father-Son) rotation...

DIALOG(R)File 275:Gale Group Computer DB(TM)

01380927   SUPPLIER NUMBER: 09560555   (THIS IS THE FULL TEXT)
Systems software: Recovery Plus.
Software Magazine, v10, n12, p109(1)
Oct, 1990
ISSN: 0897-8085   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 107   LINE COUNT: 00008

TEXT:
     Systems Software BMC Software, Inc., Sugar Land , Tex., has announced
Recovery Plus, an IMS database product which is said to recover DL/1
databases up to four times faster than the IBM IMS Database Recovery
Facility.
     Only one pass of the **change   accumulation** and recovery log datasets
is required while **recovering** multiple **databases** concurrently. Single or
dual image copies can be created while running a recovery. Also, interfaces
to BMC Software's Secondary Index Utility and Pointer Checker Plus can be
used for automatic rebuilding of indexes and validating of pointers.
     Recovery Plus is priced by CPU level, beginning at $17,500 for a
perpetual license.
          COPYRIGHT 1990 Sentry Publishing Company Inc.
 COMPANY NAMES: BMC Software Inc.--Product introduction
 DESCRIPTORS: Product Introduction; Data Base Maintenance; Desktop Utility
 SIC CODES: 7372   Prepackaged software
 TICKER SYMBOLS: BMCS
 TRADE NAMES: Recovery Plus (Utility program)--Product introduction
 FILE SEGMENT: CD File 275

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01669364   Supplier Number: 50127749   (THIS IS THE FULLTEXT)
BMC Software Simplifies Database Recovery With True Point-In-Time
   Functionality; Recovery Plus for IMS Enhancements Increase Productivity
   for IMS Products.
Business Wire, p06301152
June 30, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 424
TEXT:
 HOUSTON--(BUSINESS WIRE)--June 30, 1998--BMC Software Inc., a leading
developer of software solutions that improve the availability, performance
and recoverability of business-critical applications, today announced the
addition of true point-in-time (PIT) recovery functionality for databases.
This enhancement to BMC Software's Recovery Plus for IMS strengthens
product synergy, data integrity and allows for easier job control.
     RECOVERY PLUS now enables users to implement true (PIT) database
recoveries, thereby eliminating the time-consuming manual steps required
with IBM's point-in-time utilities. Recovery Plus can now recover to a
point in time when a database was allocated for updates. The database is
recovered to a logically complete state that is as close as possible to the
requested point in time.
     "By recovering databases in a simple, one-step operation -- the only
in the industry, RECOVERY PLUS actually reduces the possibility of errors,
ensuring that our customers receive the best recovery support possible,"
said Doug MacKinnon, marketing director for performance optimization &
recovery for BMC Software. "With PIT enhancements to RECOVERY PLUS for IMS,
BMC is continuing to deliver on its promise to improve recovery time up to
four times faster than the IMS/VS utility."
     BMC Software's RECOVERY PLUS product allows fast, efficient recoveries
of IMS data sets with minimal involvement of the database administrator.

Additionally, it allows for concurrent processing of multiple recoveries,
while processing the **change accumulation** and recovery log data sets
only once. It performs recoveries up to four times faster than the IMS/VS
utility. RECOVERY PLUS also works in synergy with other BMC Software IMS
and IMS Fast Path **database** utilities to further enhance **recovery**
performance.

About BMC Software

BMC Software is the world leader in the development of more than 160
Application Service Assurance solutions -- improving the availability,
performance and recoverability of critical applications in complex
computing environments. BMC Software is the world's 12th largest
independent software vendor and a Forbes 500 company, with revenues
exceeding $730 million in fiscal 1998. The company is headquartered in
Houston, Texas, with offices worldwide. For more information, please call
800/841-2031 or 713/918-8800 or visit BMC Software on the Web at
www.bmc.com.

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A Close Look at IMS/VS 1.2

ABSTRACT: The most recent version of IBM's IMS/VS-Release 1.2-contains new
functions and enhancements that improve the flexibility and performance of
the product.   These new features   include Data Sharing, improved **Data
Base   Recovery** Control (DBRC) feature, support for new direct-access
storage   devices   (DASD),   enhanced   printer support, and database/data
collection system enhancement. The most exciting feature of IMS/VS 1.2 is
its ability to share databases among several concurrently executing IMS
subsystems. The DBRC feature is a prerequisite for the Data Sharing
feature.   To help control **backup** and **recovery** , DBRC **records** in its
Recon data sets information concerning image copy, **change accumulation** ,
 database recovery and IMS log data sets. The IMS/VS 1.2 also offers
full support for the 3375 and 3380 DASD. There are several enhancements in
terms of printer support incorporated into the IMS 1.2. The IMS features
program isolation which allows multiple application programs to update the
same database concurrently. Figures.

19/3,K/1   (Item 1 from file: 275)

02444534   SUPPLIER NUMBER: 65640164   (USE FORMAT 7 OR 9 FOR FULL TEXT)
New Products.(Industry Trend or Event)
Communications News, 37, 9, 116
Sept, 2000
ISSN: 0010-3632   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1745   LINE COUNT: 00148

...   is a tightly integrated usage mediation system for high-performance
ATM switches that provide support for Bellcore AMA format billing records.
SIU extracts the call- **detail   records** from the switches and manages the
time-stamped **files** to ensure data integrity and **recovery** in the event
of a system or network failure. SIU works in tandem with existing
statistics logging in the switches, extracting usage information to
associate...

 19/3,K/2   (Item 2 from file: 275)

02060819   SUPPLIER NUMBER: 19314961   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Call accounting products.(includes related articles on horror stories from
   various users, Teleco's Perfect Call Accounting software, SDT's SecurPBX,
   Professional Computing Resources' Communication Management Information
   Tool, Tribase Systems' TAPIT, and Newcastle Communications)(Buyers Guide)**
Teleconnect, v15, n3, p89(28)
March, 1997
DOCUMENT TYPE: Buyers Guide   ISSN: 0740-9354   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 16056   LINE COUNT: 01296

...   platform, it handles CDR recording, CDR polling, directory, cost
allocation, traffic statistics, and has toll fraud detection modules.
Reports can be viewed on-screen, printed, **saved** to a **file** , emailed, or
saved in HTML for viewing with a browser. It poDs remote sites over the
phone or Internet (via Telco Research's TRU Network Poller product), and
stores as many records as the hard drive holds. Steve Doster at Telco **caDs**
 this package a "no-brainer:" 30 minutes to install, one hour to learn,
with phone support and 24-hour on-line support on Telco's...

 19/3,K/3   (Item 3 from file: 275)

01626984   SUPPLIER NUMBER: 14620315   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**AceFile 2.0. (Ace Software Corp.) (Software Review) (one of six evaluations
   of non-programmable database management systems for Microsoft Windows in
   'The No-Code Approach to Data Management') (Evaluation)**
Simon, Barry
Windows Sources, v1, n11, p242(3)
Dec, 1993
DOCUMENT TYPE: Evaluation   ISSN: 1065-9641   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 637   LINE COUNT: 00054

...   summed data for total sales, number of customers, and number of
transactions in columns--all of which are derived from the information
stored in individual **detail** -level **records** .
    AceFile lets you load **saved** view sets, which can comprise screen
forms, list displays, and crosstab views. List and form views are linked so
that as you change the highlighted...

19/3,K/4   (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01534356   SUPPLIER NUMBER: 12537676   (USE FORMAT 7 OR 9 FOR FULL TEXT)
An introduction to concurrency control. (White Paper)(Column) (Tutorial)
Celko, John
DBMS, v5, n10, p70(5)
Sept, 1992
DOCUMENT TYPE: Tutorial   ISSN: 1041-5173   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3811   LINE COUNT: 00301

...   a single schema object because any changes to one record could
change the subordinate pointer chains. Record locking can become quite
complex. Changing a Purchase **record** could disconnect it from its
original Customer master pointers, for example, and also break the
pointers to its line-item **detail   records** . The master record and all its
subordinates must be under the control of the transaction.
      Relational Access
      The Customer database in a relational system would...

19/3,K/5   (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01506484   SUPPLIER NUMBER: 11996528   (USE FORMAT 7 OR 9 FOR FULL TEXT)
For Missouri, not owning switching gear means savings and flexibility.
   (State of Missouri's Division of Data Processing relies on Centrex)
Greenstein, Irwin
Networking Management, v10, n1, p18(1)
Jan, 1992
ISSN: 1052-049X   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 877   LINE COUNT: 00071

...   in August 1991, a bounty of additional savings were realized from
enhanced features. These include Adds, Moves and Changes for quick line
reconfigurations; Station Message **Detail   Records** (SMDR), which **saved**
$135,000 per year by precluding a consultant that gathered state clients'
calling records; Datapath, a service that lets state departments and
agencies access information...

19/3,K/6   (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01417508   SUPPLIER NUMBER: 09390936   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sold on Comdial's new DigiTech: the stuff dreams are made of. (Hardware
   Review) (evaluation)
Luhmann, Rick
Teleconnect, v9, n1, p148(7)
Jan, 1991
DOCUMENT TYPE: evaluation   ISSN: 0740-9354   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3518   LINE COUNT: 00257

...   the old software cartridge for the new one), not all of the bits
and bytes running around the system are stored there.
      All station message **detail   records** (SMDR) are **saved** to the
software cartridge. It's the one bit of real-time data I can't afford to
lose if the KSU loses everything else...

19/3,K/7   (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01381818   SUPPLIER NUMBER: 09526159   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Northern Telecom announcements. (Design 3.0 software, Meridian Norstar
  digital key telephone system) (product announcement)
Computergram International, n1539, CGI10240014
Oct 24, 1990
DOCUMENT TYPE: product announcement   ISSN: 0268-716X   LANGUAGE:
  ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 974   LINE COUNT: 00083

TEXT:
     ...kilo-bits-per-second rate adaptor for internal and external
communications, a station message detail recorder interface unit, which
tracks telephone usage and generates call **detail   records** and a battery
back - up system. Norstar 3x8 requires incoming phone lines, wiring for
the set and an external power supply for installation. Telephones that can
be used with the...

  19/3,K/8   (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01380927   SUPPLIER NUMBER: 09560555   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Systems software: Recovery Plus.
Software Magazine, v10, n12, p109(1)
Oct, 1990
ISSN: 0897-8085   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 107   LINE COUNT: 00008

     Only one pass of the **change   accumulation** and recovery log datasets
is required while **recovering** multiple **databases** concurrently. Single or
dual image copies can be created while running a recovery. Also, interfaces
to BMC Software's Secondary Index Utility and Pointer Checker...

  19/3,K/9   (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01372608   SUPPLIER NUMBER: 09456057   (USE FORMAT 7 OR 9 FOR FULL TEXT)
BMC Software announces Recovery Plus. (data base recovery utility) (product
  announcement)
Computing Canada, v16, n18, p78(1)
Sept 13, 1990
DOCUMENT TYPE: product announcement   ISSN: 0319-0161   LANGUAGE:
  ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 92   LINE COUNT: 00007

...   released an IMS database product called Recovery Plus which it
claims can recover DL/1 databases up to four times faster than the IBM IMS
Data   Base   Recovery utility.
     Recovery Plus also offers performance improvements in a multiple
database   recovery situation by making only one pass of the **change**
accumulation and recovery log data sets while **recovering** multiple
databases concurrently.
     The product is priced by CPU level and begins at $17,500 for a
perpetual licence.

  19/3,K/10   (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01260870   SUPPLIER NUMBER: 07270167   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Time bomb: inside the Texas virus trial. (trial of Donald Gene Burleson)
Joyce, Edward J.
Computer Decisions, v20, n12, p38(6)

...   of an apparent trespass.
      Information management staffers, meanwhile, mapped out a detailed
recovery plan. "Our first priority was to reconstruct the 168,000 sales
commission **detail   records** so field representatives could be paid, and
troubleshoot the causes of the problems later," recalls one of the
staffers. They immediately took an internal "snapshot" of the System/38,
copying the entire contents of its disks, both data and programs, to 15
tapes. Then they meticulously **restored** the sales **records** from **backup**
tapes. The **recovery** took the entire weekend.
      Early Monday morning, when the first few employees to arrive switched
on their desktop terminals, things appeared to be operating normally...

  19/3,K/11   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

02759899   Supplier Number: 68142732   (USE FORMAT 7 FOR FULLTEXT)
**Lightbridge Redefines Fraud Control With Comprehensive Fraud Detection
  System.**
Business Wire, p2150
Dec 18, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 707

...   product management, fraud products. "In a recent deployment, a
client informed us that with FraudBuster 5.0, they are able to process 50
million call **detail   records** per day, twice what the **original**
configuration was for this particular client."
      FraudBuster 5.0 includes the following benefits and system
enhancements:
      User Benefits
      -- Browser-based GUI enables quick access to...

  19/3,K/12 ·   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01669364   Supplier Number: 50127749   (USE FORMAT 7 FOR FULLTEXT)
**BMC Software Simplifies Database Recovery With True Point-In-Time
  Functionality; Recovery Plus for IMS Enhancements Increase Productivity
  for IMS Products.**
Business Wire, p06301152
June 30, 1998
Language: English   Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 424

...   efficient recoveries of IMS data sets with minimal involvement of
the database administrator. Additionally, it allows for concurrent
processing of multiple recoveries, while processing the **change
accumulation** and recovery log data sets only once. It performs recoveries
up to four times faster than the IMS/VS utility. RECOVERY PLUS also works
in synergy with other BMC Software IMS and IMS Fast Path **database**
utilities to further enhance **recovery** performance.
      About BMC Software
      BMC Software is the world leader in the development of more than 160
Application Service Assurance solutions -- improving the availability,
performance...

19/3,K/13   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

05307890   Supplier Number: 88579850 (USE FORMAT 7 FOR FULLTEXT)
**CA'S unicenter Database Management Solutions for IMS ensure performance and
   availability of critical systems; Helps reduce cost and complexity of
   managing IMS environments.**
M2 Presswire, pNA
July 8, 2002
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 740

...   the guesswork out of IMS backup and recovery by reducing the time
to backup and recover critical IMS production data.
        Enhancements include point-in-time **recovery** support that automates
 restoration of **databases** to a specific time before a malfunction or
other problem occurred. A new product, Unicenter **Change   Accumulation** ,
consolidates changes from IMS logs, ensures data availability and speeds
the **recovery** of IMS **databases** by eliminating unnecessary updates
during **recovery** .
        New functionality such as point-in-time recovery and Unicenter
Change Accumulation add a lot of value by giving us the ability to pick the
...

 19/3,K/14   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04906913   Supplier Number: 47215105 (USE FORMAT 7 FOR FULLTEXT)
Tracking telephone fraud fast
Vijayan, Jaikumar
Computerworld, p75
March 17, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 480

...   a day for the security group to get such information from the
company's systems.
     WorldCom's data warehouse has four days' worth of Call **Detail**
Records online at any time. That translates into a volume of about 180
million records, each of which can be retrieved from the central **database**
within 10 minutes of the **original** call.Details on up to 400 calls canbe
inserted into the database every second, and up to 100 users can query the
system simultaneously.
     SUN...

 19/3,K/15   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01644419
Interface PBX Call Detail Recording directly to the HP 3000 .
NEWS RELEASE   April 17, 1987   p. 11

     Telamon,   Inc. has released its upgraded PBX Engine, which captures PBX
system Call **Detail   Records** and sends them directly to an MPE file on
the HP 3000. The Engine's standard memory has been increased from 8K bytes
to 56K...

...The data can then be analyzed by the customer's own software. The Engine
can support two PBX systems and a printer to provide hardcopy **backup** of
 records sent by the PBX.
...

19/3,K/16   (Item 1 from file: 148)

14913145   SUPPLIER NUMBER: 90819837   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Portfolio accounting for individual investors. (Accounting).
Craig, Thomas R.
CPA Journal, 72, 8, 56(5)
August, 2002
ISSN: 0732-8435   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 2988   LINE COUNT: 00329

...   Calculating Realized Gains or Losses
      The most intricate, error-prone part of a portfolio accounting
system is calculating realized gains and losses and updating cost- **detail**
records to reflect security sales, especially when a security has been
purchased and sold in multiple lots and the quantities sold do not match
quantities acquired in identifiable purchase lots. A set of subsidiary
cost- **detail   records** can effectively track the **original** acquisition
cost of individual purchase lots, the cost of securities sold during the
period, and the cost of individual purchase lots unsold at period end...

19/3,K/17   (Item 2 from file: 148)

11118469   SUPPLIER NUMBER: 54876817   (USE FORMAT 7 OR 9 FOR FULL TEXT)
the buzz.(News Briefs)
Computerworld, 74(1)
June 14, 1999
ISSN: 0010-4841   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 299   LINE COUNT: 00028

TEXT:
      ...events, such as the initiation of an IP fax or launching of a
streaming video over the intranet.The event triggers creation of an IP
Detail   Record , which can be **saved** in an Oracle **database** or included
in other billing system records.Waiting in the WingsnBoth Narus and XACCT
are pushing hard to establish themselves, while major players such as...

19/3,K/18   (Item 3 from file: 148)

07266216   SUPPLIER NUMBER: 15207429   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Productive partnerships. (between cellular service operators and cellular
  software developers)
Snavely, David
Cellular Business, v11, n5, p82(1)
May, 1994
ISSN: 0741-6520   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1159   LINE COUNT: 00091

...   items, and that performance pegs are calculated the same way.
      Make sure that the billing system will be ready to read any change in
call **detail   records** . Discuss a **backup** procedure to ensure that the
old operating software can be restored if there is any trouble.
      * Testing: A series of lab and field tests follows...

19/3,K/19   (Item 4 from file: 148)

06783468   SUPPLIER NUMBER: 14836231   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Excelreport. (Software Review) (Computers & Accounting) (Evaluation)
Barth, Claire
Management Accounting (USA), v75, n6, p63(2)
Dec, 1993
DOCUMENT TYPE: Evaluation   ISSN: 0025-1690   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1287   LINE COUNT: 00106

...   A+ to F.
     Details behind any grade can be reviewed and analyzed using
SouthWare's zoom feature to move back step by step to the **original** entry.
Searches for "exception" **detail** **records** based on grades or statistics
furnish management with an individual analysis of those items making up the
summary grade. The old adage that "what gets...

  19/3,K/20   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00794366 94-43758
ExcelReport
Mullins, Barbara J
Management Accounting v75n6 PP: 63-64 Dec 1993
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 1210

...TEXT: Figure 1 omitted)

Details behind any grade can be reviewed and analyzed using SouthWare's
zoom feature to move back step by step to the **original** entry. Searches
for "exception" **detail**   **records** based on grades or statistics furnish
management with an individual analysis of those items making up the summary
grade. The old adage that "what gets...

  19/3,K/21   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00642872 92-57812
Realizing Personal and Terminal Mobility
Bender, James; Brophy, Sean; Kaden, Neil; Quelch, Peter; Regnier, Jean
Telesis n94 PP: 80-94 Jul 1992
ISSN: 0040-2710 JRNL CODE: TLS
WORD COUNT: 4341

...TEXT: as service orders and user profiles;

* control incoming call-routing management;

* monitor the common air interface in conjunction with base stations for
fault isolation and **recovery** ;

* collect call- **detail**   **records** ;

* interface with other MCPs within its zone or with MCPs in other zones and
networks; and

* control interactive voice-response system to implement such enhanced...

  19/3,K/22   (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00172207 82-13768

A Close Look at IMS/VS 1.2
Konopolsky, Irwin
Computerworld v16n19 PP: In Depth 11-20 May 10, 1982
ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: VS-Release 1.2-contains new functions and enhancements that
improve the flexibility and performance of the product. These new features
include Data Sharing, improved **Data Base Recovery** Control (DBRC)
feature, support for new direct-access storage devices (DASD), enhanced
printer support, and database/data collection system enhancement. The most
exciting feature of...

... its ability to share databases among several concurrently executing IMS
subsystems. The DBRC feature is a prerequisite for the Data Sharing
feature. To help control **backup** and **recovery** , DBRC **records** in its
Recon data sets information concerning image copy, **change accumulation** ,
 database recovery and IMS log data sets. The IMS/VS 1.2 also offers
full support for the 3375 and 3380 DASD. There are several enhancements in
...

 19/3,K/23   **(Item 1 from file: 674)**
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

 058225
Tracking telephone fraud fast
65
Data warehouse aids WorldCom security
Byline: Jaikumar Vijayan
Journal: Computerworld   Page Number: 75
Publication Date: March 17, 1997
Word Count: 476   Line Count: 45

Text:
...a day for the security group to get such information from the company's
systems.
     WorldCom's data warehouse has four days' worth of Call **Detail**
 Records online at any time. That translates into a volume of about 180
million records, each of which can be retrieved from the central **database**
 within 10 minutes of the **original** call.Details on up to 400 calls canbe
inserted into the database every second, and up to 100 users can query the
system simultaneously.
     SUN...

 19/3,K/24   **(Item 2 from file: 674)**
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

 011430
Utilities
Journal: Computerworld   Page Number: 42
Publication Date: November 12, 1990
Word Count: 73   Line Count: 5

Text:
BMC Software, Inc. has announced an IMS **database** product designed to
 recover DL/1 **databases** .
      Recovery Plus reportedly needs to make only one pass of **change**
 accumulation and recovery log data sets while **recovering** multiple
 databases concurrently.
     Perpetual license prices begin at $17,500.
    BMC Software
    P. O. Box 2002
    Sugar Land, Texas 77487
    (800) 841-2031

19/3,K/25   (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire

00429285 20001218353B7365 (USE FORMAT 7 FOR FULLTEXT)
Lightbridge Redefines Fraud Control With Comprehensive Fraud Detection System-Next-Generation of Fraud Management Provides Enhanced Resource Savings, Operational Effectiveness and Technology Management
Business Wire
Monday, December 18, 2000 08:03 EST
JOURNAL CODE: BUSINESS WIRE, COMTEX LANGUAGE: ENGLISH RECORD TYPE:
   FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 717

...product management, fraud
products. "In a recent deployment, a client informed us that with
FraudBuster
5.0, they are able to process 50 million call **detail   records** per day,
twice
what the **original** configuration was for this particular client."

FraudBuster 5.0 includes the following benefits and system enhancements:

     User Benefits
     -- Browser-based GUI enables quick access to...

19/3,K/26   (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire

00791383 20020708NYM025 (USE FORMAT 7 FOR FULLTEXT)
CA's Unicenter Database Management Solutions for IMS
PR Newswire
Monday, July 8, 2002 09:46 EDT
JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 660

Unicenter **Database   Backup** and **Recovery**
     Unicenter **Database   Backup** and **Recovery** suite for IMS takes the
guesswork
out of IMS backup and recovery by reducing the time to backup and recover
critical IMS production data. Enhancements include "point-in-time"
recovery
support that automates **restoration** of **databases** to a specific time
before a
malfunction or other problem occurred. A new product, Unicenter **Change
 Accumulation** , consolidates changes from IMS logs, ensures data
availability
and speeds the **recovery** of IMS **databases** by eliminating unnecessary
updates
during **recovery** .
     "New functionality such as point-in-time recovery and Unicenter **Change
 Accumulation** add a lot of value by giving us the ability to pick the best
time
for recovery of our critical data," said Steve Potkonjak, team...
?

23/9/7   (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01806345   SUPPLIER NUMBER: 17112220   (THIS IS THE FULL TEXT)
Performing recoveries in an open systems environment.
Knutson, Craig; Jamoussi, Anouar
Enterprise Systems Journal, v9, n11, p89(3)
Nov, 1994
ISSN: 1053-6566   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1624   LINE COUNT: 00129

ABSTRACT: Recovering data is difficult in a widely distributed system.
Backup and recovery in open environments are primarily manual processes
that are much more prone to human error than are the automated procedures
of the mainframe environment. Within the mainframe environment, standard
backup and recovery procedures are usually built into the DBMS and
operating system and are fairly universal. In a distributed system however,
different procedures may be used throughout the enterprise. Backups should
be done regularly and with high-activity databases while on-line. On-line
backups on client/server platforms causes special problems. Since a
tablespace is the smallest granular unit an RDBMS will accept for backup,
the entire tablespace must be backed up instead of a single data file. Also
in client/server environments, backing up to tape requires a lot more user
interaction, again leading to occasional errors. Automated tools as well as
standards will become necessary as client/server continues to evolve.

TEXT:
    As enterprises distribute production data and applications between
mainframes and distributed platforms, the ability to quickly and accurately
recover data becomes increasingly difficult. The flexibility and open
structure that make distributed environments attractive for data
accessibility and ad hoc queries also create significant risks of data loss
or corruption. The danger lies in the fact that backups and recoveries in
the open systems environment are, for the most part, manual processes that
can be executed in so many varied and individual ways that the
opportunities for human error increase exponentially.
    Unstructured Environment
    In the mainframe environment, standard procedures for backup and
recovery are built into DBMSes and operating systems and are followed
almost universally. In the open systems world of data management, however,
it is impossible to predict what recovery plans or procedures may be used
from one location to another, even within the same enterprise. This is
because there is no universal standard for backing up client/server RDBMSes
in a distributed environment.
    This lack of structure presents a number of hazards, since it places
the responsibility for remembering and executing backup and recovery
procedures entirely on a DBA or designated user. This reliance on human
intervention creates more than ample opportunity for oversights, omissions
and procedural errors both in creating viable backups as well as executing
complete and accurate recovery procedures. This article examines some of
the major issues associated with backup and recovery management in a
typical client/server DBMS environment.
    Performing Backups
    The first step in preparing for any recovery is to perform a backup.
Ideally, backups are done on a scheduled basis with enough frequency to
allow a viable recovery in a meaningful time frame. In the case of large,
high-activity databases, backups are usually done on-line, while the DBMS
is still open to users. Sometimes referred to as "hot" backups, these
consist of a snapshot image of the database taken over a period of time.
    Hot backups always result in "fuzzy" images, i.e., a copy of the
database with some updates out-of-synch. Without logs, a fuzzy backup will
not produce a consistent recovery. To recover a database that was backed up
on-line, archive logging must have been performed at the same time and, of
course, following the backup. The logs could then be used in conjunction
with the image copies at recovery time.
    There are important issues to be considered in performing on-line
backups on client/server platforms. Most of the RDBMS architectures in the

client/server world do not allow the granularity necessary to roll one database to a prior point in time. In Oracle (Oracle Corp., Redwood Shores, CA), for example, to back up a data file, the entire tablespace containing it must be backed up. A tablespace is the smallest unit of granularity the RDBMS will accept for backups. This can be done with the ALTER TABLESPACE and BEGIN BACKUP commands. At this point, Oracle causes full-block logging to the redo buffer for changes to any block in the tablespace marked for backup.

This sounds harmless but is not. It means any time part of a block within that tablespace is changed, the entire block is written to the redo buffer. The result is that redo logs grow rapidly and archive processing consumes vast resources. It also means recoveries using these logs will take longer than they should since redundant data is being written.

In Sybase (Microsoft/Sybase, Inc., Emeryville, CA), on the other hand, it is impossible to automatically isolate a particular entity, such as a table, and back up or restore it independently. If one table is corrupted, the entire database must be recovered. So, to recover a table that might take 15 minutes if recovered alone may actually take five hours.

Lack Of Granularity

With Oracle, tablespaces are contained in a logical entity called an "instance." An instance in Oracle is the executing software that is managing a particular database. Each instance manages different databases. To roll back a tablespace, therefore, the entire instance, in effect the whole database, must be rolled to the same point in time. Rolling back an entire database to a prior point in time is a much larger task and disrupts many more users than rolling back a single table, since it requires stopping every application within the instance.

Recovering Sybase requires two **backup** sources -- a **database** dump, which amounts to an **image   copy** , and a transaction dump, which equates to log **records** . To **restore** the **database** , both of these must be reloaded, i.e., the entire database dump is loaded and all of the transaction dumps are written to it. Most shops take a database dump at more or less regular intervals and transaction dumps more frequently. So, a database dump might be done nightly and transaction dumps hourly.

Both of these actions are at the database level and provide the only points in time to which the **database** can be **recovered** . This means if a shop takes hourly transaction dumps, for example, and wants to recover back just a half-hour, it cannot do so. It must choose the closest hourly time point, which makes the recovery take longer and is less accurate.

In this case, transaction dumps should be taken frequently. If they are taken only at long intervals, such as nightly, then a restore will take a long time, because Sybase makes you restore the entire database and run the entire transaction dump. If transaction dumps are taken more frequently, they will be smaller and take less time to run. The greater frequency also provides more points in time from which to begin the restore.

Tape Management

Tape management is another area where the lack of infrastructure presents an opportunity for error. In open systems environments, backing up to tape requires a great deal of user interaction and specification. Someone must specify the destination tape drive and address to which the backup will write, along with other parameters such as whether to rewind when the job is completed.

When it comes to restoring the database, i.e., applying the logs to the backup copy, it is again a manual process to identify which tapes hold the data sets or transaction dumps to restore. There are no utilities to simplify this task. The user must keep track of the tapes that will be needed for the recovery process. There is no internal mechanism for automatically recording them. Since DBAs have many administrative responsibilities, it is not uncommon for a shop to lose track of new data files that have been added. Adding more space to an Oracle instance, for example, may not make it into the formal documentation on that instance.

Having determined the names of the data sets, someone must physically locate them. Once the tapes have been located and mounted, it is still a manual task to extract the files. Someone must manually give a destination from which to extract the logs and apply them to the database.

Archiving Alternatives

Despite the difficulties, most shops with mission-critical data

perform archiving (although some do not) because of resource consumption tradeoffs. Even those that do on-line archiving sometimes unwittingly put themselves in a nonrecoverable situation.

Consider, for instance, an Oracle shop that wants to allow an application to run all night, but in the course of the night as archive logs are writing out to disk, the disk fills up. In this case, Oracle will hang, waiting for manual intervention.

The sheer size of on-line archive logs creates resource management problems -- both human and hardware. Installations that elect not to maintain archive logs live with the only other alternative, which is to go off-line and do a cold backup occasionally and face the fact that, in case of a failure, they can only recover to the point of backup.

Another "solution" sometimes adopted is to overcompensate with hardware. That may mean paying for a 2GB disk just to cope with the archive logs. It is cheaper than having someone sitting at a console waiting for a message to come across to mount a tape, and it helps alleviate the management problem associated with archive logging. It lets the shop create more archive logs between the tasks of cleaning up the old ones or dumping them to tape.

Conclusion

Protecting the integrity of data residing in server-based RDBMSes such as Oracle and Sybase will be increasingly important as more enterprises distribute production applications onto these platforms. The lack of standards for managing recoveries in these environments and the reliance on manual procedures make the recovery process unnecessarily slow, uncertain and error-prone.

It seems apparent that automated tools for managing recoveries in the client/server world are a critical step in the evolution of these RDBMSes as reliable repositories for mission-critical data.

ABOUT THE AUTHORS

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23/3,K/1   (Item 1 from file: 275)
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02279097   SUPPLIER NUMBER: 54117338   (USE FORMAT 7 OR 9 FOR FULL TEXT)
A Search and Deploy Mission, Part 1.(Technology Tutorial)
Sayles, Jonathan
Enterprise Systems Journal, 14, 3, 76(1)
March, 1999
ISSN: 1053-6566   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2777   LINE COUNT: 00229

...   any business or system-wide issues. Depending on how extensive the
damage caused by the problem, or for how long any problems have persisted
undetected: **Files** may have to be **restored** from backups from a previous
point-in-time; Jobs may have to be re-run from a previous point-in-time
(synchronized with file generations...

...existing production logic ... and/or ... Modify the JCL (if the error
included JCL issues)
       Compile and Link the new version of the application. Create an "
image   copy " of the production file system, in order to test your fix;
Re-Run the batch job and analyze results; Run "Regression Tests" against
the new...
?t/3,k/2-51

23/3,K/2   (Item 2 from file: 275)
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02277621   SUPPLIER NUMBER: 54082321   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Postcards from Over the Edge.(Technology Tutorial)(Tutorial)
MICHAU, TIM
Intelligent Enterprise, 2, 4, 32(1)
March 9, 1999
DOCUMENT TYPE: Tutorial   LANGUAGE: English   RECORD TYPE: Fulltext;
   Abstract
WORD COUNT: 4331   LINE COUNT: 00321

...   limit for application page locks. We solved this problem by
increasing the DSNZPARM NUMLKUS to 25,000 from 10,000, which was the IBM
default.
       BACKUP , RECOVERY, AND MAINTENANCE
       Image   copy schedule. As we all know, critical systems that have
constant updates need to be copied at least once a day. You don't need to
lose data or recovery time by having a week-old **image   copy** and trying
to recover from that. Again, our warehouse is different. To aid in
restartablility, we take copies of selected tables several times during the
monthly load process. Because we purchased third-party fast **image   copy**
and recover utilities, we found that when problems arise with a program or
process, it's sometimes easier and faster to recover an entire table...

23/3,K/3   (Item 3 from file: 275)
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02254033   SUPPLIER NUMBER: 21270626   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Disaster recovery using real-time disk data copy.(remote copy technology)
   (Technology Information)
Mikkelsen, Claus
Enterprise Systems Journal, v13, n11, p34(4)
Nov, 1998
ISSN: 1053-6566   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3350   LINE COUNT: 00273

...   These write failures, especially multiple write failures, can
sufficiently corrupt the database at the primary location; the only

recourse a customer might have is to **recover** that **database** from the previous **image copy** (tape). If this corruption is allowed to propagate to the secondary location as well, any attempt to start the critical applications at the secondary location can result in a lengthy recovery from **image copy** tapes.

Put another way, in the simplex scenario (no remote copy), following a rolling disaster, the only hope of successfully recovering critical data might be...

23/3,K/4   (Item 4 from file: 275)

...   can be used to recover DB2 tablespaces from full image copies no longer inventoried in the DB2 catalog in SYSIBM.SYSCOPY. Whenever DB2 performs an **image copy** of a DB2 tablespace, the DB2 catalog table SYSCOPY is updated with information required to perform a recovery of the tablespace. This information is used by IBM's RECOVER utility and allows for various recovery scenarios, such as TOCOPY, TORBA or TOVOLUME. However, once an **image copy** is removed from DB2's knowledge via the MODIFY utility, you can still use the **image copy** to recover the tablespace or even restore it to another DB2 subsystem. This implies, of course, that the **image copy** data set still exists on either tape or disk. IBM states that DSN1COPY is not intended for use in place of its **COPY** utility or standard **backup** and recovery procedures. It should be used with discretion when other options are not viable. IBM further states that improper use of DSN1COPY may result...

...record of the following DB2 database, tablespace and table identifiers: DBID, PSID and table OBID values found in SYSIBM.SYSTABLESPACE and SYSIBM.SYSTABLES. If a **record** is not **saved** , one may be located in a DSN1PRNT of page 0 of the **image copy** data set.

* A DB2 database is often recognized by a name such as CUSTPDB database. A database usually contains several tablespaces that consist of tables...

23/3,K/5   (Item 5 from file: 275)

...   also make use of tablespace image copies during recovery. By using image copies of the tablespace, the quantity of log and the number of log **records** applied during **recovery** can be reduced. The DB2 COPY utility is the tool provided with DB2 that is used to create these image copies.

Full And Incremental Copies

The COPY utility is able to produce two forms of tablespace image copies: full and incremental. A full **image copy** is a complete duplicate

that contains all pages in the tablespace. An incremental **image copy** contains only those pages in the tablespace that have been changed since the last copy operation was performed.

To rebuild a given tablespace, the RECOVER utility starts first with a full **image copy** . Upon this full **image copy** , RECOVER then overlays the changes contained in incremental image copies and finally applies any log records that contain changes made after the most recent image...

23/3,K/6   (Item 6 from file: 275)
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01825748   SUPPLIER NUMBER: 17213747   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Guarding NetWare data: two packages, one self-contained solution tackle problem. (Arcada Software Inc's Backup Exec for NetWare Enterprise Edition 7.0, Intel's StorageExpress II and Palindrome Corp's Storage Manager 4.0) (includes related article on the great architecture debate)(PC Week Netweek) (Software Review)(Evaluation)
Katz, William F.
PC Week, v12, n33, pN1(4)
August 21, 1995
DOCUMENT TYPE: Evaluation   ISSN: 0740-1604   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2919   LINE COUNT: 00239

...   the trade-off worthwhile.
Because the StorageExpress II system runs NetWare, it includes an option to back up the unit's internal hard disk. This **image copy** can be used to restore the entire drive, including the DOS partition. If you have two or more drives on the unit, it can make a tape-to- tape **copy** of the targeted data after **backup** .
Each of the three solutions we tested allowed for a verify pass when doing backups, but Storage Manager 4.0 let us choose the level...

23/3,K/7   (Item 7 from file: 275)
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01806345   SUPPLIER NUMBER: 17112220   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Performing recoveries in an open systems environment.
Knutson, Craig; Jamoussi, Anouar
Enterprise Systems Journal, v9, n11, p89(3)
Nov, 1994
ISSN: 1053-6566   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1624   LINE COUNT: 00129

...   task and disrupts many more users than rolling back a single table, since it requires stopping every application within the instance.
Recovering Sybase requires two **backup** sources -- a **database** dump, which amounts to an **image copy** , and a transaction dump, which equates to log **records** . To **restore** the **database** , both of these must be reloaded, i.e., the entire database dump is loaded and all of the transaction dumps are written to it. Most...

...done nightly and transaction dumps hourly.
Both of these actions are at the database level and provide the only points in time to which the **database** can be **recovered** . This means if a shop takes hourly transaction dumps, for example, and wants to recover back just a half-hour, it cannot do so. It...

23/3,K/8   (Item 8 from file: 275)
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01532153   SUPPLIER NUMBER: 12552259   (USE FORMAT 7 OR 9 FOR FULL TEXT)

**DBAs face challenge of 24 by 7 availability: role of database utilities is
   crucial to keep applications up and running. (Data Management/DBMS)**
Keyes, Jessica
Software Magazine, v12, n11, p58(5)
August, 1992
ISSN: 0897-8085   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3046   LINE COUNT: 00238

...   logs to be applied.
     * An application failure requires the recovery of a table space. The
most recent copy is unreadable, and the next most recent **copy** is a volume
 backup . DB2 does not recognize a volume backup.
     * Nine hours into a 10-hour recovery, the job fails.
     * The DBA needs to recover a large, partitioned table space and
index, and also **image**   **copy** the table space. Each table space partition
must be recovered in sequence. Then each partition must be reread so that
the index key information can be extracted and the index built. Finally,
each of the partitions must be read again to take **image**   **copy** .
     Since most organizations cannot develop their own hardware and
software, they must depend on external vendors to provide the databases --
and the utilities to maintain...

 23/3,K/9   (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01527636   SUPPLIER NUMBER: 12485409   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Departmental LANs. (LAN Buyers Guide: Departmental LANs) (Buyers Guide)
LAN Magazine, v7, n8, p92(22)
August, 1992
DOCUMENT TYPE: Buyers Guide   ISSN: 0898-0012   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3427   LINE COUNT: 01245

...   1,290 plus node charge.
     VORTEX TC376
     The TC376 Storage Management System
     provides continuous, online backup and
     storage fault tolerance for NetWare
     LANs. It can **back**   **up** open **files** , eliminat
     -ing the time between tape backups when
     data is unprotected. It provides point-in
     -time recovery of lost data. It gives real
     -time notification...

...for OS/2 delivers fault toler
     -ance for OS/2 database servers through
     hardware-based disk mirroring and imag
     -ing. It automatically creates a disk **image**
      copy to removable media. It features hot
     replacement of failed drives and transpar
     -ent data restoration. It gives real-time
     notification of fatal drive errors. The...

 23/3,K/10   (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01436033   SUPPLIER NUMBER: 10852548   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Backup and Verification for VSE. (BMC Software Inc.'s file management
   software)(Systems Software)(Mainframes)(New Products) (product
   announcement)**
Software Magazine, v11, n7, p130(1)
June, 1991
DOCUMENT TYPE: product announcement   ISSN: 0897-8085   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT

The new product identifies the exact location and nature of **database** errors; **restores** the **database** dataset from an **image** **copy** ; prints database blocks for use in error diagnosis; zaps bytes in database blocks to repair errors; analyzes HDAM randomizing routines; and provides information reports for managing DL/1 **databases** .
A perpetual license for **Backup** and Verification for VSE starts at $6,000.

 23/3,K/11   (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01434578   SUPPLIER NUMBER: 10799185   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Vortex Systems announces RetroChron 400 series. (product announcement)
LAN Computing, v2, n9, p27(1)
April 23, 1991
DOCUMENT TYPE: product announcement   ISSN: 1055-1808   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 277   LINE COUNT: 00021

...   of the RetroChron 300 Series, the 400 Series features a rotating window of backup protection using Winchester storage subsystems. The system has the ability to **back** **up** open **files** and incompatible **file** structures.
Through its virtual primary mirror, RetroChron 400 is able to deliver continuous backup and fault tolerance. Through its virtual time device, RetroChron 400 can quickly recreate the state of the primary disk prior to data corruption to recover "lost" data.
With the 400 Series, an **image** **copy** of the primary disk can be automatically created at user-selected intervals to write-once optical, magneto-optical or tape devices for off-site storage. If a catastrophic even occurs and the entire network is lost, the stored **image** **copy** can be copied onto a new primary disk to restore the entire system.
TC376 MCA, designed for the MCA hardware platform running NetWare 386, V3...

 23/3,K/12   (Item 12 from file: 275)
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01371430   SUPPLIER NUMBER: 08755390   (USE FORMAT 7 OR 9 FOR FULL TEXT)
RSTS has a new spring in its step. (Elevenses)
King, Alistair
DEC User, p21(2)
July, 1990
ISSN: 0263-6530   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1746   LINE COUNT: 00129

...   FEATURES. The introduction of version 10 marks the end of perhaps one of the most problematical functions of RSTS - SAVRES - which has been replaced by **Backup** /Image. Image mode **backup** will **copy** a complete disc, **file** by file, to any RSTS disc.
This has several advantages over the SAVRES **image** **copy** function. Because **Backup** is copying **file** by **file** , the output volume is a defragmented and optimised disc. Backup is able to cope far more satisfactorily with any bad blocks on the output ...made, provided there is enough disc space. if nothing else, this will make disc upgrades a very simple and safe operation.
Another new feature is **Backup / Copy** , which allows individual **files** to be copied between discs. This function is already provided by Pip, but the difference is that **Backup / Copy** makes use of asynchronous I/0 and is therefore considerably faster.
Version 10 also sees an increase in the maximum tape block size from 4096...

23/3,K/13   (Item 13 from file: 275)
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01369748   SUPPLIER NUMBER: 08746824   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Update; handling change. (Hands-on SQL; structured query language; includes related article on COMMIT: making changes permanent) (column)
Sayles, Jonathan S.
Data Based Advisor, v8, n7, p41(3)
July, 1990
DOCUMENT TYPE: column   ISSN: 0740-5200   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1462   LINE COUNT: 00141

...   go surfing--unconditionally.
     As always, there's no unUPDATE command.
     To undo "committed" damage to tables, you have to "RECOVER" tables
using some kind of **image   copy   file** and table **recovery** utility.
Utilities are generally not easy (or fun) to use, so carefully pre-test
conditions in your WHERE clauses before executing UPDATES.
     The best way...

23/3,K/14   (Item 14 from file: 275)
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01363167   SUPPLIER NUMBER: 08531182   (USE FORMAT 7 OR 9 FOR FULL TEXT)
VMS, Unix systems tougher to tune up.
Winston, Alan
Software Magazine, v10, n7, p45(5)
June, 1990
ISSN: 0897-8085   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3114   LINE COUNT: 00250

...   use of a VMS disk, and the effect on I/O capability may be
significant.   .
     DEC's recommended solution for fragmentation is to use the **backup**
utility to make an **image   copy** of the disk on another medium--disk or
tape--and then to restore that **backup** onto the **original** disk. **Files**
will be created contiguously.
     There are a few drawbacks to this procedure, however. First, the disk
is unavailable to users for as long as the...

23/3,K/15   (Item 15 from file: 275)
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01254447   SUPPLIER NUMBER: 06935657   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tape backup.
Crabb, Don
MacWEEK, v2, n33, p31(1)
Aug 16, 1988
ISSN: 0892-8118   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 907   LINE COUNT: 00067

...ABSTRACT: are being planned by Irwin Magnetic Systems Inc and Tecmar.
Three approaches to backups are used including image, which creates a
bit-by-bit mirror **image   copy** of the hard disk into the **backup** device;
 file -by- **file** , which copies individual files according to the user's
specifications; and incremental, which copies only those files that are new
since the last backup. Backup...

23/3,K/16   (Item 16 from file: 275)

01244535   SUPPLIER NUMBER: 06653859   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Preventing data loss disasters. (hard disk backup) (includes related
   articles on WORM technology and DAT technology)**
Seymour, Jim
PC Magazine, v7, n10, p92(5)
May 31, 1988
ISSN: 0888-8507   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3401   LINE COUNT: 00251

...   There's no time wasted running a RESTORE command, crossing your
fingers, and hoping it will work. Since a backup Bernoulli cartridge is a
mirror- **image   copy** of the **original** , is a stick that backup in your
Iomega drive and go to work.
        Even if you already own one or more PCs with built-in...

 23/3,K/17   (Item 17 from file: 275)

01241565   SUPPLIER NUMBER: 06573765   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Backing up: a few steps toward safer data.
Tanzer, Joshua
Administrative Management (the Magazine of Office Administration and
Automation), v49, n2, p27(5)
March, 1988
ISSN: 0884-5905   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3606   LINE COUNT: 00271

...   removable media.
      Software advances
      All of these media come with software, most of it full of different
backup options. Most software includes two types of **backup** : "image" and "
file -by- **file** ." An **image   copy** duplicates everything from the hard
disk, usually with provisions for locating bad sectors. File-by-file
procedures allow the user to make choices about what...

 23/3,K/18   (Item 18 from file: 275)

01177143   SUPPLIER NUMBER: 04274194   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**No backups means going in reverse. (includes article on hard disk backup
   systems)**
Dickinson, John
PC Magazine, v5, p241(6)
June 10, 1986
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2776   LINE COUNT: 00200

...   perennial favorite when it comes to dual disk strategies because
most models include two drives from the start. The company has always
provided a bit- **image   copy** command (ICOPY) to maintain two of its
oversized floppy disks, and more recent versions of its utilities include
IBACKUP and IRESTORE, which can be used...

...have recently come down in price, making them more attractive for backup
than they once were. Two strategies are generally used with tape: a bit-
image   copy of the entire disk onto the tape (like DISKCOPY makes on
floppies), and **file** -by- **file   backup** , which makes copies of individual
files (like the **COPY** command). Strategic options for your **backup**
procedure will depend on the software delivered with the tape unit.
        Several software products that replace BACKUP and RESTORE have come
on the market in...

23/3,K/19   (Item 19 from file: 275)
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01176424   SUPPLIER NUMBER: 00657205   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tape Backup: Measuring Speed & Cost per Megabyte.
Machrone, Bill
PC Magazine, v5, n3, p106-109
Feb. 11, 1986
DOCUMENT TYPE: evaluaton   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 14206   LINE COUNT: 01043

...   a number of appendixes, and chapter tabs. In addition, they are
liberally sprinkled with "hints"--including some that are quite obvious,
like "You cannot use **Image   Copy** until you have formatted the tape
cartridge and assigned volumes." There is also a quick reference card.
     I pity anyone who needs to call Hewlett...

...should be considered in two cases: If you intend to do only disk image
operations, or if you have a spare weekend to do a **file** -by- **file   backup**

     I.sup.2.'s I.sup.2.TAP45X
     I.sup.2 Interface's I.sup.2.TAP45X tape backup unit is full of
surprises. It...

23/3,K/20   (Item 20 from file: 275)
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01136120   SUPPLIER NUMBER: 00646905
HP Introduces Data-Storage, Backup Products.
PC Week, v2, n34, p98
Aug. 27, 1985
DOCUMENT TYPE: evaluaton   ISSN: 0740-1604   LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: unit provides storage for 15-to 60M-bytes of data per
cartridge and provides an error-correction system. The drive also offers
image and selective **file** -by- **file** copy and **restore** , as well as **file**
-by- **file   restore** from an **image   copy** . The HP 9142A also features
off-line tape formatting and can emulate a hard disk. This unit sells for
$1,690. Hewlett-Packard's other...

23/3,K/21   (Item 21 from file: 275)
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01103275   SUPPLIER NUMBER: 00570378   (USE FORMAT 7 OR 9 FOR FULL TEXT)
HardFile: Seventy Megabytes of Memory Muscle.
Rosch, W.L.
PC Magazine, v3, n18, p124-127
Sept. 18, 1984
DOCUMENT TYPE: evaluaton   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2822   LINE COUNT: 00209

...   image to a disk divided differently with different bad tracks; in
other words, to any other hard disk than the exact one tht the bit- **image
copy** was made from--and the result is likely to be unusable.
     In other words, the streaming tape backup protects against your
errors--the inadvertent blowing...

...when you restore the streaming tape copy, you restore everything on the

disk back to its previous incarnation. If the hard disk you decide to
restore to has **files** updated on it that were updated after the last
backup was made, all of those updates will be consigned to never-never
land.
        The problem...

 23/3,K/22   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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02147457   Supplier Number: 55445762   (USE FORMAT 7 FOR FULLTEXT)
NEON Systems Raises the Bar With Enhancements to IMS Reorganization Tools.
PR Newswire, p8829
August 16, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 506

...   reveal faster unload and load elapsed time than the standard tools
shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.
        Database administrators traditionally **image   copy** primary and
secondary indices whenever databases are unloaded and reloaded -- adding
complexity and cost to reorganizations and other maintenance tasks. Using
image copies also lengthens **recovery** , reducing **database** availability.
Dynamic Index Utility streamlines database maintenance and raises IT
productivity. It eliminates the need to make image copies of indices and
enables database administrators...

 23/3,K/23   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01747130   Supplier Number: 53169680   (USE FORMAT 7 FOR FULLTEXT)
PLATINUM technology Launches Database Vitality Program to Manage PeopleSoft
  Applications on DB2 for OS/390.
Business Wire, p1172
Nov 4, 1998
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1092

...   problems occur and then to remove any
        errant changes which were made to the DB2 data.
        PLATINUM DB2 Data Movement for PeopleSoft Applications
        -- PLATINUM Quick **Copy   backs   up** PeopleSoft tables faster than
the
        DB2 **IMAGE   COPY** utility.
        -- PLATINUM Fast Load can load PeopleSoft test data far faster than
        the DB2 LOAD utility.
        -- PLATINUM Fast Unload can extract data from DB2 tables...

 23/3,K/24   (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01177745   Supplier Number: 42476255   (USE FORMAT 7 FOR FULLTEXT)
CAMBEX CORPORATION RELEASES HIGH CAPACITY QIC TAPE SYSTEM FOR THE IBM
  RS/6000
News Release, p1
Oct 30, 1991
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 550

...   prompts the

operator through a series of options. The Certi-Stream software
offers several other features, including: access from menu, AIX
commandline or through batch **file** operations; **backup / restore** at
file
or directory level; incremental or full **backup** /restore, including a
bootable **image** **copy** ; **backup**
/restore by specific date, and; tape ID,
list commands, multiple tape volumes, and other media management
capabilities.

-- Pricing and Availability --

The 6800-70 is available...

 23/3,K/25   (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01177744   Supplier Number: 42476254   (USE FORMAT 7 FOR FULLTEXT)
**CAMBEX CORPORATION RELEASES HIGH CAPACITY OIC TAPE SYSTEM FOR THE IBM
  RS/6000**
News Release, p1
Oct 30, 1991
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 551

...   prompts the
operator through a series of options. The Certi-Stream software
offers several other features, including: access from menu, AIX
commandline or through batch **file** operations; **backup / restore** at
file
or directory level; Incremental or full **backup** /restore, including a
bootable **image** **copy** ; **backup**
/restore by specific date, and; tape ID,
list commands, multiple tape volumes, and other media management
capabilities.

Pricing and Availability

The 6800-70 is available...

 23/3,K/26   (Item 5 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01158802   Supplier Number: 41962164   (USE FORMAT 7 FOR FULLTEXT)
BMC Software Announces BACKUP and VERIFICATION for VSE
News Release, p1
March 29, 1991
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 329

...   that is also significantly faster than the
IBM utilities."

BACKUP and VERIFICATION for VSE provides these important functions:
identifies the exact location and nature of **database** errors;
restores
the **database** data set from an **image** **copy**
; prints database blocks for
use in error diagnosis; zaps bytes in database blocks to repair
errors; analyzes HDAM randomizing routines; and provides information
reports for managing DL/I **databases** .

BACKUP and VERIFICATION for VSE is priced by CPU level and begins at
$6,000 for a perpetual license. For more information, call
1800841-2031 in...

23/3,K/27   (Item 6 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01005601   Supplier Number: 39555093   (USE FORMAT 7 FOR FULLTEXT)
**HP INTRODUCES NEW IBM-COMPATIBLE, HARD-DISC DRIVES, 1/4-inch STREAMING-TAPE
  DRIVE**
PR Newswire, pN/A
July 1, 1985
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1110

...   writes 50-percent redundant or extra data; thus, even if the
    tape becomes defective in spots, the backup system, using error-
    correction techniques, can reconstruct **original   files** from the
    repeated portions.

    Unlike many tape drives on the market today, the HP drive provides
    flexibility in meeting varied copying requirements. It provides
    image copy and restore, selective **file** -by- **file** copy and **restore**
, as
    well as **file** -by- **file   restore** from an **image   copy** .

    Image copies are very fast, buy an image restore wastes time when the
    user needs only one **file** . A selective- **file   backup**
 is time consuming,
    but a selective- **file   restore**
 is convenient for brining back specific
    files . The HP drive can **backup** and restore in any mode.

    Because it is fully PC DOS compatible, the HP 9142A also can emulate
    a hard disc. Using standard PC DOS...

23/3,K/28   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04670593   Supplier Number: 61602079   (USE FORMAT 7 FOR FULLTEXT)
Uncover hidden profits in 3-D kinetic color technique.
Hruby, K. C.
The Press, v21, n5, p108
May, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1596

...   find objects selected that have no fill or stroke color: Delete
them.
      * Now select Show All and bring back all of your lines plus your
original image. Select the **original   image** , **copy** /paste in front

23/3,K/29   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

04466010   Supplier Number: 56646144   (USE FORMAT 7 FOR FULLTEXT)
NEON ENHANCES CLASSIC IMS TOOLS.
Online Product News, v18, n11, pNA
Nov, 1999
Language: English   Record Type: Fulltext

Document Type: Newsletter; Trade
Word Count: 462

...   reveal faster unload and load elapsed time than the standard tools
shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.
      Database administrators traditionally **image copy** primary and
secondary indices whenever databases are unloaded and reloaded -- adding
complexity and cost to reorganizations and other maintenance tasks. Using
image copies also lengthens **recovery** , reducing **database** availability.
Dynamic Index Utility streamlines database maintenance and raises IT
productivity. It eliminates the need to make image copies of indices and
enables database administrators...

  23/3,K/30   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04433869   Supplier Number: 55779598   (USE FORMAT 7 FOR FULLTEXT)
NEON DEBUTS ENHANCEMENTS TO CLASSIC IMS TOOLS.
Worldwide Databases, v11, n10, pNA
Oct, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 492

...   reveal faster unload and load elapsed time than the standard tools
shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.
      Database administrators traditionally **image copy** primary and
secondary indices whenever databases are unloaded and reloaded -- adding
complexity and cost to reorganizations and other maintenance tasks. Using
image copies also lengthens **recovery** , reducing **database** availability.
Dynamic Index Utility streamlines database maintenance and raises IT
productivity. It eliminates the need to make image copies of indices and
enables database administrators...

  23/3,K/31   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04409419   Supplier Number: 55505114   (USE FORMAT 7 FOR FULLTEXT)
**NEON SYSTEMS: NEON Systems raises the bar with en enhancements to IMS
  reorganization tools.**
M2 Presswire, pNA
August 19, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 530

...   reveal faster unload and load elapsed time than the standard tools
shipped with IMS," stated Joe Backer, president and CEO, NEON Systems.
      Database administrators traditionally **image copy** primary and
secondary indices whenever databases are unloaded and reloaded -- adding
complexity and cost to reorganizations and other maintenance tasks. Using
image copies also lengthens **recovery** , reducing **database** availability.
Dynamic Index Utility streamlines database maintenance and raises IT
productivity. It eliminates the need to make image copies of indices and
enables database administrators...

  23/3,K/32   (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02678767   Supplier Number: 45431492   (USE FORMAT 7 FOR FULLTEXT)
PLATINUM ENHANCES ITS DATABASE RECOVERY SOLUTION
M2 Presswire, pN/A

March 29, 1995
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 999

...   to retain and which to delete. As a result, DBAs can save specific
information and recover to a variety of points (including recovery based on
 image   copy dataset name) instead of being limited to a few
date-specific points of recovery. PLATINUM Fast Recover 1.2 Features and
Benefits
      PLATINUM Fast Recover...

...failure, fire, or other disaster. In addition to significant performance
improvements, Version 1.2 expands upon previous recovery functionality by
adding several new features, including:
      * **Recover   Database** Command - reduces **recovery** time by
automatically searching and identifying which **database** objects will need
to be **recovered** . Manual analysis and intervention is eliminated.
      * Object Identification (OBID) Translation - provides several benefits
which include: allowing deleted ("dropped") objects to be recovered and
restored (this...

...the movement ("migration") of data while keeping it available to users
for updates; and allowing data to be recovered offset, perhaps for disaster
recovery.
      * Inline **Image   Copy** - reduces total recovery time by creating
image copies during the recovery of tablespaces versus waiting until the
tablespace is fully recovered before image copies can...

 23/3,K/33   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06293345   Supplier Number: 54471089 (USE FORMAT 7 FOR FULLTEXT)
**SAN Backs Up Financial Assets.(Morgan Stanley Dean Witter Trust employs DST
  Systems' DST Automated Work Distributor)(Product Information)**
Wagner, Mitch
InternetWeek, p19(1)
April 26, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 680

...   to take a snapshot of the database-a copy of all the information
frozen at a particular point in time-and then use the mirror- **image   copy**
to make a **backup** at a remote location.
      The company has 1.5 terabytes of storage at the backup location,
including all the production data but not test data...

 23/3,K/34   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05141738   Supplier Number: 47848436 (USE FORMAT 7 FOR FULLTEXT)
To catch a thief
Bort, Julie
InfoWorld, p77
July 21, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1125

...   agent or prosecutor [from pursuing the case].
      Ideally you want to store away the original hard drive. If it is not
possible to maintain the **original** you must maintain a perfect **copy** --
but not by using the Copy command. The time and date stamp are important.

We all know how we can change those by changing the date on the computer, but the mirror- **image** **copy** must be able to be treated as the **original** . Make a **copy** of the **original** or mirror image to give to police and lawyers, but keep the original or mirror image literally sealed someplace where you are the only person...

  23/3,K/35   **(Item 3 from file: 16)**
DIALOG(R)File   16:Gale Group PROMT(R)

03960036   Supplier Number: 45739246   (USE FORMAT 7 FOR FULLTEXT)
Guarding NetWare data
PC Week, pn1
August 21, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2867

...   the trade-off worthwhile.
     Because the StorageExpress II system runs NetWare, it includes an option to back up the unit's internal hard disk. This **image** **copy** can be used to restore the entire drive, including the DOS partition. If you have two or more drives on the unit, it can make a tape-to- tape **copy** of the targeted data after **backup** .
     Each of the three solutions we tested allowed for a verify pass when doing backups, but Storage Manager 4.0 let us choose the level...

  23/3,K/36   **(Item 4 from file: 16)**
DIALOG(R)File   16:Gale Group PROMT(R)

02527877   Supplier Number: 43347426   (USE FORMAT 7 FOR FULLTEXT)
TAPE BACKUP SYSTEMS: Backup Strategies For Big Networks
Network Computing, p123
Oct 1, 1992
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2276

...   an entire disk-drive image for each server to tape each night.
     In the old days, the traditional method of backing up sufficed: A whole- **image** **copy** of the network's servers was done once a week or once a month, with incremental backups scheduled daily. Administrators did not pay much attention to the types of **files** **backed** **up** or how often the **files** were modified. This method, typically using one tape drive for one or two servers, was reliable and worked well for most small (and relatively static...

  23/3,K/37   **(Item 5 from file: 16)**
DIALOG(R)File   16:Gale Group PROMT(R)

02046149   Supplier Number: 42641367   (USE FORMAT 7 FOR FULLTEXT)
BACKUP: NEW TECHNOLOGIES FOR LARGE LANS
Network Computing, p52
Jan, 1992
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2793

...   drive image for each server on the network to tape each night.
     In the old days, the traditional method of backing up sufficed: A whole- **image** **copy** of the network's servers was done once a week or once a month, with incremental backups scheduled on a daily basis.
     Administrators did not pay much attention to the types of **files**

backed   up or how often the **files** were modified. This method, typically
using one tape drive for one or two servers, was reliable and worked well
for most small (and relatively static) networks; accidentally deleted
files could be located and **restored** fairly easily, provided an
administrator knew which tape or save set to use.
     But now only one thing is certain: Networks continue to grow in...

   23/3,K/38   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

01096253
Cartridge Tape Storage Fits PC.
MIS WEEK   November 7, 1984   p. 14

     ... s Storagemaster 745 cartridge streaming tape system stores up to 45
Mbytes of information and ensures complete integrity of data transferred
between hard-disc and **backup** tape storage, on a **file** -by-file basis or
as an **image**   **copy** of the total disc contents.
. . .

   23/3,K/39   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

12361410   SUPPLIER NUMBER: 62599896   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computer Forensics.
BIGLER, MARK
Internal Auditor, 57, 1, 53
Feb, 2000
ISSN: 0020-5745   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1719   LINE COUNT: 00144

...   performed on a file server hard drive. The suspect's computer, or
at least the hard drive from the computer, should be seized. A mirror
image   **copy** of the hard drive should be made, including all data in
unallocated and slack space. Computer forensic software such as Sydex's
SafeBack or Guidance...

...disk should be placed in an evidence locker and appropriate notations
made in the evidence log. All computer forensics should be performed on the
mirror **image**   **copy** , never on the **original** .
     The hard-drive **copy** should be searched for evidence of the alleged
abuse, and all hidden and erased files should be identified. For
DOS/Windows environments, the DOS command...
...be used to "un-hide" files. Commercial software products such as
Symantec's Norton Utilities or Network Associates' Nuts & Bolts are
available to assist in **recovering** erased **files** . Many erased **files** are
recoverable if they haven't been overwritten too many times. Additionally,
data in slack and unallocated space on the hard-drive copy can be linked
together and viewed using Norton Utilities or New Technology Inc.'s (NTI's)
Filter-I software tools.
     As with the hard drive, a mirror- **image**   **copy** of all electronic
media should be made. Media such as 3.5" diskettes and Iomega Zip drive
cartridges seized in the investigation should be subjected...

   23/3,K/40   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10941248   SUPPLIER NUMBER: 54343195   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Drive Image 2.0.(backup software)(Software Review)(Evaluation)
Riggs, Colby Mariva
Information Technology and Libraries, 18, 1, 41(1)
March, 1999

...   step-by-step through the image creation process. The "Create Image"
wizard aided in choosing the drives or partitions to copy, the destination
of the **image copy** , the compression levels, and error-checking features.
There were additional user-friendly wizards available to "Restore the
Image" and perform "Disk to Disk" copy, used...

...order to create new customized images. One especially advantageous
feature allows the user to select specific files from the drive image. This
is useful in **recovering** inadvertently deleted or corrupted **files**
without having to completely **restore** a partition. The editor also
provides the ability to cut and paste between partitions to create new
images.
      Drive Image comes with Partition Magic, a...

 23/3,K/41   (Item 3 from file: 148)

...   and locating a common point of consistency from which to
      recover. The product also supports popular applications like SAP
      R/3.
      -- RECOVERY PLUS for IMS -- **recovers** DL/I **databases** and Fast Path
      DEDBs up to four times faster than the IMS utility. Critical IMS
      data is available sooner and users are productive more quickly...

...copies can be taken,
      requiring fewer logs to be recovered and speeding recoveries. The
      product also complements BMC Software's Snapshot technology for
      intelligent storage.
      -- **IMAGE COPY** PLUS for IMS -- creates single image copies of DL/I
      databases and Fast Path DEDBs up to four times faster than the
      IMS utility. The product also creates up to 10 image copies of
      one database in approximately the same time the IMS utility
      creates one **image copy** . By copying multiple databases
      simultaneously, overall elapsed time is reduced.
      -- PATROL(R) RECOVERY MANAGER -- performs automated, synchronized
      backup and recovery across multiple instances, types and...

...network. Also enables backup and recovery of logically related
      groups of distributed database objects across relational database
      management systems.
      -- SQL-BackTrack(TM) -- automates many distributed **database**
      administration tasks, speeding the **backup** and recovery process
      and reducing errors while enabling safer, more reliable and
      efficient backup routines. The product supports all popular
      relational database systems, as well...

 23/3,K/42   (Item 1 from file: 624)

TEXT:
...too large.

Image copiers are programs that backup an entire disk partition, or
volume, onto a tape or another partition. One advantage of an image **backup**
 over a **file** -by- **file** **backup** is speed, as the program doesn't have to
construct headers and trailers and copy files one at a time. Instead, the
disk volume itself is copied byte-by-byte.

An **image**   **copy** writes everything in a disk partition to a device.
Thus, most image copiers can only restore the entire disk partition-you
can't just get back one file. However, the BSD 4.2 and 4.3 releases and
SunOS restore commands have an interactive mode that lets you select
individual **files** for **restoration** .

Image copiers come in two varieties: those that can do incremental
copies and those that can only copy an entire disk partition. The BSD dump
...

 23/3,K/43   **(Item 1 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01797878 04-48869
Drive Image 2.0: PowerQuest
Riggs, Colby Mariva
Information Technology & Libraries v18n1 PP: 41-42 Mar 1999
ISSN: 0730-9295 JRNL CODE: JLA
WORD COUNT: 638

...TEXT: step-by-step through the image creation process. The "Create
Image" wizard aided in choosing the drives or partitions to copy, the
destination of the **image**   **copy** , the compression levels, and
error-checking features. There were additional user-friendly wizards
available to "Restore the Image" and perform "Disk to Disk" copy, used...

... order to create new customized images. One especially advantageous
feature allows the user to select specific files from the drive image. This
is useful in **recovering** inadvertently deleted or corrupted **files**
 without having to completely **restore** a partition. The editor also
provides the ability to cut and paste between partitions to create new
images.

Drive Image comes with Partition Magic, a...

 23/3,K/44   **(Item 2 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01386257 00-37244
Why do backups take so long? There is a solution
Bosetti, Max
Computer Technology Review v17n1 PP: 32-36 Jan 1997
ISSN: 0278-9647 JRNL CODE: CTN
WORD COUNT: 1576

...TEXT: the files from all the various locations in the disk partition.
This takes time to assemble.

Most software packages have an optional mode allowing disk **image**   **copy** .
This makes the process much faster because there is no need to assemble the
files. The program just reads directly from disk whether it's...

... then sent to tape in the same sequence. As a result the tape data image follows that of the disk.

The downside to disk image **backup** is that no individual **file** can be **restored** . It may be located in various segments spread over one tape or perhaps many tapes. Restoring anything from this tape requires restoring everything on it...

23/3,K/45   (Item 3 from file: 15)

00997073 96-46466
In brief
Anonymous
Information Today v12n3 PP: 14 Mar 1995
ISSN: 8755-6286 JRNL CODE: IFT
WORD COUNT: 562

...TEXT: service to the latest investment reports authored by leading analysts worldwide, are now available for delivery at extended hours.

Previously, customers could order a full- **image copy** of a PIPELINE report title until 6:00 PM Eastern Time. Now, delivery is available for orders placed up to 8:00 PM Eastem Time...

... The PIPELINE database provides notice of the latest investment research before this material is available online in machine-readable form. Each report is a complete ·**copy** of the analysts' **original** report, including all charts and graphs.

Customers can order PIPELINE reports online or over the phone. Reports will be faxed within three hours of request...

23/3,K/46   (Item 4 from file: 15)

00637903 92-52843
UPS "Dials" Up Fast Data on Deliveries
Ambrosio, Johanna
Computerworld v26n37 (Section 1) PP: 79-80 Sep 14, 1992
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 635

...TEXT: then sent to the customer. Up to 188,000 inquiries can be processed each day.

The IMS and the most recent portions of the DB2 **database** are **backed up** daily using the DB2 **Image Copy** Facility. Two sets of backups are made: one for on-site storage and another that is located off-site. The off-site backups run for...

23/3,K/47   (Item 5 from file: 15)

00339941 86-40355
A Systems Solution to Read/Write Reliability Improves Tape Backup
Henry, Steve; Niquette, Mike
Computer Technology Review v6n1 PP: 99-105 Winter 1985
ISSN: 0278-9647 JRNL CODE: CTN

...ABSTRACT: running DOS operating systems consists of 2 pieces of software: 1. an application program called HPTAPE, and 2. an installable

tape driver. Among the simplest **backup** methods to use is **image   copy** .

 23/3,K/48   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01190385   CMP ACCESSION NUMBER: INW19990426S0037
SAN Backs Up Financial Assets
Mitch Wagner
INTERNETWEEK, 1999, n 762, PG19
PUBLICATION DATE: 990426
JOURNAL CODE: INW   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Clients & Servers
WORD COUNT: 680

...   to take a snapshot of the database-a copy of all the information
frozen at a particular point in time-and then use the mirror- **image   copy**
 to make a **backup** at a remote location.

 The company has 1.5 terabytes of storage at the backup location,
including all the production data but not test data...

 23/3,K/49   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00520411   CMP ACCESSION NUMBER: NWC19920101S4578
New Technologies for Large LANs
Barry Gerber
NETWORK COMPUTING, 1992, n 301 , 52
PUBLICATION DATE: 920101
JOURNAL CODE: NWC   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 2673

...   drive image for each server on the network to tape each night.
     In the old days, the traditional method of backing up sufficed: A
whole- **image   copy** of the network's servers was done once a week or once
a month, with incremental backups scheduled on a daily basis.
Administrators did not pay much attention to the types of **files   backed
 up** or how often the **files** were modified. This method, typically using
one tape drive for one or two servers, was reliable and worked well for
most small (and relatively static) networks; accidentally deleted   **files**
could be located and **restored** fairly easily, provided an administrator
knew which tape or save set to use.
     But now only one thing is certain: Networks continue to grow in...

 23/3,K/50   (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0906992   BW0398

**BMC SOFTWARE: BMC Software Optimizes Availability, Performance and Recovery
    for SAP R/3 on OS/390**

September 14, 1998

Byline: Business Editors/High-Tech Writers

    ...product includes customized features to identify and manage R/3
    components.
--   The RECOVER PLUS for DB2(a) product simplifies the recovery

process and vastly reduces **recovery** time by **recovering** multiple
databases and indexes through optimization and parallelism.
-- The COPY PLUS for DB2(a) product, with customized features for
managing R/3 on OS/390, speeds and ensures data integrity when
performing backups and provides true non-disruptive **image** **copy**
capabilities.
The ASA for R/3 on OS/390 solutions are available today from BMC
Software with additional R/3 on OS/390 customized solutions...

23/3,K/51   (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
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0495176   BW0133

BMC SOFTWARE: BMC Software Expands Recovery Management Offerings --
Announces RECOVERY MANAGER for IMS; Push-Button Recovery Provides
Automated, Fast and Accurate Recoveries

June 19, 1995

Byline: Business Editors/Computer Writers

    ...recovery products -- RECOVERY
MANAGER for IMS integrates with BMC Software's other recovery
products to provide a complete recovery solution. These products
include RECOVERY PLUS, **IMAGE   COPY** PLUS, POINTER CHECKER PLUS,
SECONDARY INDEX UTILITY, and TRIMAR FAST PATH ANALYZER.
    Integrated with online log analysis -- RECOVERY MANAGER for IMS
summarizes IMS log data to give administrators the information they
need to quickly determine appropriate recovery actions.
    Additional capabilities -- RECOVERY MANAGER also allows
administrators to group **databases** for **recovery** based on any set of
criteria. In addition, RECOVERY MANAGER for IMS can perform **recovery**
simulations without actually **recovering** the **database** .
Pricing and Availability
    RECOVERY MANAGER for IMS is generally available from BMC
Software, its agents and distributors worldwide. Prices start at
$21,500 (U.S. list). For more information...

01386257 00-37244
Why do backups take so long? There is a solution
Bosetti, Max
Computer Technology Review v17n1 PP: 32-36 Jan 1997 ISSN: 0278-9647
JRNL CODE: CTN
DOC TYPE: Journal article LANGUAGE: English   LENGTH: 3 Pages
SPECIAL FEATURE: Charts
WORD COUNT: 1576

ABSTRACT: Because disk space is being added at unbelievable rates, the need
for increased backup capacity is growing. At the same time, most systems
are being used more, which means less time is available for backup. So
backup has to be done faster. Some ways to do this include: 1. using the
disk image copy option included in most software packages, 2. maximizing
memory or moving to a faster disk drives, 3. trying two SCSI adapters to
run two backup jobs concurrently, and 4. using a faster tape drive.

TEXT: Tape backups notoriously take too long, and with the amount of data
being stored and the shrinking backup window, the standard backup time
involved is not acceptable. This article is aimed at showing where the
bottlenecks are and just what specific options are available to overcome
them.

Bottlenecks

The tape backup process can be thought of as a string of elements which are
involved in delivering data to a tape device. These elements are
illustrated in the Figure.

Key point #1

All these elements are in series! If any of them are slow, the whole job
slows.

The tape backup job goes into the Software-perhaps Novaback or Cheyenne or
even an HSM package-and the result ends up on the Tape Device. In between,
the job had to be handled by the CPU, the disk, the I/O channel and so on.
It's similar to the old adage about the weakest link in a chain. In this
case, the concern lies with the slowest link in the chain.

Software Tradeoffs

There are many software programs that can provide the basic backup function
in the OPEN Systems environment. It has become common to see these packages
become embellished with Hierarchical Storage Management (HSM) functions as
well. What's more, most of these packages include the capability to operate
random access tape libraries. But these new features and capabilities do
not affect the speed of backup, only the convenience.

All software must retrieve the data from disk first. Then it has to send it
on to the I/O channel. In doing this, the disk operating system and the
disk controller usually reconstruct files by retrieving the many segments
of the files from all the various locations in the disk partition. This
takes time to assemble.

Most software packages have an optional mode allowing disk **image   copy** .
This makes the process much faster because there is no need to assemble the
files. The program just reads directly from disk whether it's one file or
many. That data is then sent to tape in the same sequence. As a result the
tape data image follows that of the disk.

The downside to disk image **backup** is that no individual **file** can be
restored   . It may be located in various segments spread over one tape or
perhaps many tapes. Restoring anything from this tape requires restoring

everything on it. But it is an alternative for situations where backup must
be made faster.

CPU And Disk Tradeoffs

The CPU can be further detailed by considering it as an assembly consisting
of a processor, disk drive(s) and memory. In looking at backup speed, the
processor has the least impact while disk and memory have the most. What's
more, the disk actuator time can be a significant factor in backup speed.
If it takes 1,000 seeks to recreate each file and there are 10,000 files
taking 30ms per seek it is easy to see how the disk is involved in the
speed equation.

Key point #2

Assuming a processor change is not feasible, the next best bet is to
maximize memory or upgrade the disk to faster devices-whichever is more
practical.

Memory has a similar effect. Most manufacturers rate their CPUs under the
condition of maximum memory. If less than maximum memory is used, then the
operating system must take the data from the disk in smaller chunks thereby
requiring more trips to the disk. Since memory access is the fastest
storage resource available then the more memory used means that much less
disk. Or conversely, the less memory used the more the disk is used and
that results in slower backups.

I/O Channel

Over the years, there have been many I/O channels used for tape. The early
interfaces on PCs were either proprietary requiring special adapted boards
or were a generic type using the printer port. With the introduction of
large servers SCSI became the choice for tape interfaces. That is still
true at the time of writing this article. With SCSI as a convenient
standard, many manufacturers adopted it to the point where there are 20 or
more manufacturers of SCSI adapters for use with tape. What's more most of
these adapters are now SCSI FAST/WIDE which means bandwidth capability in
the 20MB/s range.

Key point #3

Do not invest in a new I/O controller until there is solid evidence that it
is the limiting item.

One general point: It is probably rare to find the system where the I/O
channel is the bottleneck. It should be the last improvement made to the
system because most systems are limited in the other areas.

In the 1996 world the bottleneck is more likely to be found in the CPU or
the tape device.

Regardless of whether the I/O channel is limiting or not there is another
option available to computer users. It is feasible to install two SCSI
adapters in one server or workstation in order to create two I/O channels.
If the tape system has two input ports then two backup jobs can be done
concurrently. Interestingly, two concurrent backups can save substantial
time if the tape drive is a true concurrent device. Concurrent backups can
provide time savings of up to 40% in doing the backup. And this was found
on a relatively slow system. One caveat: Make certain that the tape unit is
truly concurrent; some products are available as two independent drives and
the resulting performance cannot match true concurrent operation because of
SCSI bus contention problems. At this time , the only two truly concurrent
drives are the IBM 7208-234 (unique to AS400) and the Ai Golden Gate series
(OPEN Systems and AS400).

Key point #4
Check the system to see if the host computer can be used with two SCSI
adapters.

By running the two backup jobs concurrently, one can expect up to 45 percent reduction in backup window without making any other system changes. And the cost to add the second port is approximately $300 for most servers.

Peripheral Controller

A peripheral controller is used in the more advanced tape sub-systems. It performs functions such as Concurrent Dual port, Dual drive, MIRROR and OFF-LINE COPY among others.

The advantage of MIRROR mode is that the backup is done on two tapes instead of one thereby providing a copy for offsite storage. This is a good practice for those sites storing critical information. Remember, more files are destroyed by accident than are lost by disk problems. When examining a MIRROR tape system, make certain that the MIRROR operation does not significantly reduce the backup speed of one drive alone. There are many tape drives available which do not have the bandwidth necessary to support MIRROR mode.
The peripheral controller is also important in implementing the dual port approach mentioned above. Some tape system manufacturers try to achieve concurrent operation by in-stalling a complete tape system on each of the two ports. However, in order to keep the cost competitive, they use inexpensive peripheral controllers which are limited in bandwidth. As a result, nearly all of the performance gain from using two channels is sacrificed by the use of slow speed controllers. American International is currently the only manufacturer in the OPEN systems and AS400 market to offer a single board, true concurrent design. As in all cases, "Fly-before-you-buy" is the watchword in trying to improve backup speed.

Tape Devices

The last element in the backup chain is the tape device itself. This can be a QIC (Quarter-inch) drive at 200KB/s or it can be a Magstar drive at 9MB/s. Although the drive can be the limiting element in the backup process the 8mm drives can keep up with most host systems. In those cases the bottleneck tends to be the CPU/disk.

Key point #5

If your tape device is running at maximum speed during a backup, it is a candidate to be replaced with a faster device.

If the drive is running substantially under its rated speed, then it is not the limiting element in the backup. By simple observation a technician familiar with the drive in question can usually determine if it is at or near rated speed.

One additional point concerns the Tape Device. Many of today's tape drives attain their maximum rated speed while "streaming." All the drives used on today's computer systems only move tape when they have data available to write. If the drive needs more data and if there is no data available to the drive, the drive will momentarily stop. The process of stopping and then subsequently starting up takes anywhere from 1 second to 30 seconds depending upon the drive type.

So it becomes important to keep the drive streaming. And the only way to do that is to keep a steady flow of data coming through the CPU and the I/O Channel. If the Peripheral Controller has an adequate buffer (1MB or more) the system has a much improved probability of streaming.

Summary
Because disk is being added at unbelievable rates, the need for increased backup capacity is growing. At the same time, most systems are being used more which means less time is available for backup. So backup has to be done faster. This article is an attempt to identify several ways to optimize the process and speed up the backup while staying with the same system architecture. Keep in mind the key points.

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02635332   Supplier Number: 45335261   (THIS IS THE FULLTEXT)
BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY SOLUTIONS
M2 Presswire, pN/A
Feb 14, 1995
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 639
TEXT:
M2 PRESSWIRE-14 February 1995-BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY
SOLUTIONS - New Products Further Automate and Speed Database Recoveries
(C)1994 M2 COMMUNICATIONS LTD
    RDATE: 010295
    BMC Software has announced the general availability of two new
recovery solutions for DB2 - R+/CHANGE ACCUM and R+/RESOURCE MAXIMIZER.
These are the latest additions to the company's enterprise- wide backup and
recovery strategy. In addition, a new release of RECOVERY PLUS, Version
2.1, is now generally available.
    The goal of BMC Software's enterprise-wide backup and recovery
strategy is to ensure automated, accurate and fast recoveries, whether
business-critical data resides on one DBMS or many, on one platform or
many. The plan encompasses automated backup and recovery management,, high
speed backup and recovery utilities and the functionality necessary to
co-ordinate recoveries across heterogeneous platforms.
    A key element of the strategy is RECOVER PLUS, high-speed utility that
recovers table and index spaces two to eight times faster than the IBM DB2
V3 Recover Utility. RECOVER PLUS from BMC Software also reduces CPU time by
up to 70 percent.
    As one of two new recovery products, R+/CHANGE ACCUM speeds the
recovery process by significantly reducing the amount of log data that must
be applied during a recovery. **Change   accumulation** is a process that
creates a compacted version of one or more log data sets. R+/CHANGE ACCUM
reduces the amount of log data by pre- processing the DB2 logs and
extracting only the information pertinent to a recovery. The number of
required image copies is reduced while availability is increased.
    The second new recovery product, R+/RESOURCE MAXIMIZER, offers a way
to recover data from dropped objects and enables data migration. When an
object is dropped, the associated image copies and log are still available.
The problem is that DB2 doesn't recognise them and therefore cannot use
them.
    R+/RESOURCE MAXIMIZER recovers the data using RECOVER PLUS and
translates the old object ID from the image copies and log to match the new
ID of the re -created table space. It then combines the copies and log
records to populate the database.
    A similar ID translation makes it possible to create copies for use at
an off -site facility or for migration from production subsystems to test
subsystems at the same site. R+/RESOURCE MAXIMIZER uses the **image   copy**
and log data, creates a new table space or sequential file, and translates
the old ID to a new ID. In each case, data remains available to users.
    "We have built our recovery toolset with an eye toward providing
solutions, not just point products," said Peter Armstrong International
Support Centre Manager, BMC. "As a result, products like R+/CHANGE ACCUM
and R+/RESOURCE MAXIMIZER are architected to take advantage of the powerful
RECOVER PLUS engine in a variety of situations from preparing for
recoveries to recovering dropped table spaces to migrating data. Customers
have requested this flexibility in handling DB2 copies and logs and we are
happy to deliver it to them with R+/CHANGE ACCUM, R+/RESOURCE MAXIMIZER and
the new version of RECOVER PLUS." Both R+/CHANGE ACCUM and R+/RESOURCE
MAXIMIZER have unique capabilities that cannot be handled by IBM's DB2
Recovery- Utility. Therefore implementation of these products is viable
only with BMC Software's RECOVERY PLUS.

25/3,K/1   (Item 1 from file: 275)

02509072   SUPPLIER NUMBER: 75260676   (USE FORMAT 7 OR 9 FOR FULL TEXT)
New IBM DB2/IMS Tools.(Company Business and Marketing)
Intelligent Enterprise, 4, 8, 9
May 24, 2001
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 183   LINE COUNT: 00020

        The following tools are available as of March 30, 2001:
         * DB2 Administration
         * DB2 Archive Log Compression Tool
         * DB2 Automation Tool
         * DB2 Bind Manager
         * DB2 **Change   Accumulation** Tool
         * DB2 Log Analysis Tool
         * DB2 Object Comparison Tool
         * DB2 SQL Performance Analyzer
         * DB2 Table Editor
         * IMS Command Control Facility
         * IMS Database Control Suite
         * IMS Database Repair Facility
         * IMS Fast Path Online Tools
         * IMS High Performance Pointer Checker
         * IMS High Performance Sysgen Tools
         * IMS **Image   Copy** Extensions
         * IMS Message Format Services Reversal Utilities
         * IMS Online Recovery Service.
        New with DB2 UDB v.7 for OS/390 and z/OS, IBM is...

 25/3,K/2   (Item 1 from file: 621)

02825708   Supplier Number: 71248904   (USE FORMAT 7 FOR FULLTEXT)
IBM Tightens the Screws on Database Tools Field.
Business Wire, p2112
March 6, 2001
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 508

...   to reduce customers' total cost of database ownership.
        New data management tools announced for DB2 include DB2 Archive Log
Compression Tool, DB2 Automation Tool, DB2 **Change   Accumulation** Tool,
DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are
now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational
Utilities, and...

...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer, IMS
Database Repair Facility, IMS Fast Path Online Tools, IMS High Performance
Pointer Checker and IMS **Image   Copy** Extensions.
        More than 40 million people from more than 300,000 companies
worldwide rely on IBM data management technology. For additional
information on IBM's...

 25/3,K/3   (Item 1 from file: 636)

04962998   Supplier Number: 73370418   (USE FORMAT 7 FOR FULLTEXT)
**IBM DB TOOLS SALES GROWTH REFLECTS DB ADMIN SKILLS SHORTAGE.(Company
  Business and Marketing)**
Online Product News, v20, n5, pNA

May, 2001
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 480

...   to reduce customers' total cost of database ownership.
        New data management tools announced for DB2 include DB2 Archive Log
Compression Tool, DB2 Automation Tool, DB2 **Change   Accumulation** Tool,
DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are
now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational
Utilities, ...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer,
IMS Database Repair Facility, IMS Fast Path Online Tools, IMS High
Performance Pointer Checker and IMS **Image   Copy** Extensions.
        More than 40 million people from more than 300,000 companies
worldwide rely on IBM data management technology.
        For additional

 25/3,K/4   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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04937586   Supplier Number: 71843205   (USE FORMAT 7 FOR FULLTEXT)
IBM TIGHTENS SCREWS ON DATABASE TOOLS COMPETITION.
Worldwide Databases, v13, n4, pNA
April, 2001
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 480

...   to reduce customers' total cost of database ownership.
        New data management tools announced for DB2 include DB2 Archive Log
Compression Tool, DB2 Automation Tool, DB2 **Change   Accumulation** Tool,
DB2 Object Comparison Tool, and DB2 Table Editor. DB2 utility functions are
now offered as DB2 Diagnostic and Recovery Utilities, DB2 Operational
Utilities, ...Manager, DB2 Log Analysis Tool, DB2 SQL Performance Analyzer,
IMS Database Repair Facility, IMS Fast Path Online Tools, IMS High
Performance Pointer Checker and IMS **Image   Copy** Extensions.
        More than 40 million people from more than 300,000 companies
worldwide rely on IBM data management technology.
        For additional

 25/3,K/5   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02635332   Supplier Number: 45335261   (USE FORMAT 7 FOR FULLTEXT)
BMC SOFTWARE ADDS TO ENTERPRISE-WIDE RECOVERY SOLUTIONS
M2 Presswire, pN/A
Feb 14, 1995
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 639

...   new recovery products, R+/CHANGE ACCUM speeds the recovery process
by significantly reducing the amount of log data that must be applied
during a recovery. **Change   accumulation** is a process that creates a
compacted version of one or more log data sets. R+/CHANGE ACCUM reduces the
amount of log data by...

...for use at an off -site facility or for migration from production
subsystems to test subsystems at the same site. R+/RESOURCE MAXIMIZER uses
the **image   copy** and log data, creates a new table space or sequential
file, and translates the old ID to a new ID. In each case, data remains...

 25/3,K/6   (Item 4 from file: 636)

02600153   Supplier Number: 45258893 (USE FORMAT 7 FOR FULLTEXT)
BMC OFFERS RECOVERY SOLUTIONS FOR DB2
Report on IBM, v12, n2, pN/A
Jan 11, 1995
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 423

...   new recovery products, R+/CHANGE ACCUM speeds the recovery process
by significantly reducing the amount of log data that must be applied
during a recovery. **Change   accumulation** is a process that creates a
compacted version of one or more log data sets. R+/CHANGE ACCUM reduces the
amount of log data by...

...for use at an off -site facility or for migration from production
subsystems to test subsystems at the same site. R+/RESOURCE MAXIMIZER uses
the **image   copy** and log data, creates a new table space or sequential
file, and translates the old ID to a new ID. In each case, data remains...

 25/3,K/7   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08002235   SUPPLIER NUMBER: 17289724   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**BMC Software Announces Basics/DB - A New Line of Economical IMS Database
  Utilities; Multi-Tiered Product Approach Allows Customers to Choose
  Products that Fit their Computing Requirements and Budget.**
Business Wire, p7190089
July 19, 1995
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 810   LINE COUNT: 00086

...   to the new Basics/DB line.
    BMC Software's existing IMS utilities include: -- LOAD PLUS (R) --
UNLOAD PLUS (R) -- SECONDARY INDEX UTILITY -- FAST REORG FACILITY -- **IMAGE
  COPY** PLUS -- RECOVERY PLUS -- POINTER CHECKER PLUS -- PREFIX RESOLUTION
PLUS -- DATABASE INTEGRITY PLUS -- **CHANGE   ACCUMULATION** PLUS
    Pricing and Availability
    The Basics/DB family has been generally available from BMC Software
and its agents and distributors worldwide since June 28, 1995...

 25/3,K/8   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00172207 82-13768
A Close Look at IMS/VS 1.2
Konopolsky, Irwin
Computerworld v16n19 PP: In Depth 11-20 May 10, 1982
ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: DBRC feature is a prerequisite for the Data Sharing feature.
To help control backup and recovery, DBRC records in its Recon data sets
information concerning **image   copy** , **change   accumulation** , database
recovery and IMS log data sets. The IMS/VS 1.2 also offers full support for
the 3375 and 3380 DASD. There are several...